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# United States Oceanborne Foreign Trade Routes

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Maritime Administration June [illegible]

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# United States Oceanborne Foreign Trade Routes

U.S. DEPARTMENT OF TRANSPORTATION
Elizabeth Hanford Dole, Secretary

H. E. Shear, Maritime Administrator

June 1985

## 1983

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# PREFACE

This publication presents detailed information on cargoes moving on United States foreign waterborne trade routes both in U.S.-flag and foreign flag vessels. The publication has four parts and thirteen appendixes. Part I contains highlights of U.S. oceanborne trade for calendar year 1983. This part also contains 12 maps indicating the trade routes (areas) by foreign geographical area of coverage. Parts II and III show commodity flow information by type of service (liner, tanker, and non-liner) and trade route (area). Part II includes those trade routes (areas) that have been determined to be "essential", and Part III includes the remaining trade routes. Part IV includes nineteen statistical tables exhibiting the 1983 U.S. oceanborne foreign trades by type of service for leading trade routes, U.S. ports, foreign countries and U.S. coastal districts; historical trade route and overall trade tables; trade route designations and descriptions; and U.S.-operators providing service on each essential trade route. Bureau of the Census is the primary source of data in this report.

This publication exhibits trade statistics by the type of vessel service. Liner service refers to a definite, advertised schedule and giving relatively frequent sailings at regular intervals between specific United States ports or range and designated foreign ports or range. Tanker service refers to vessels primarily designed for the carriage of bulk liquid cargoes. Non-liner refers to service other than liner and tanker which includes chartering or otherwise hiring for the carriage of goods on special voyage where sailing schedules are not predetermined or fixed.

The statistics in this report are developed in accordance with Section 211 of the Merchant Marine Act of 1936, as amended, which charges the Maritime Administration with keeping current records of the ocean services, trade routes, and lines, from United States ports to foreign ports, which are, or may be determined by the Secretary of Transportation to be essential for the promotion, development, expansion, and maintenance of foreign commerce of the United States.

This publication will aid a wide range of public and private maritime interests. In the Maritime Administration, oceanborne trade statistics are used to determine long-term operating-differential subsidy requirements as well as to review applications for Title XI ship financing guarantees. Private uses include appraisal and analysis of major trends which could affect decisions in the areas of marketing and port development.

Detailed descriptions of each essential U.S. trade route and each essential Great Lakes trade area have been included as Appendix L. Also a list exhibiting those U.S.-flag operators providing service on a particular essential trade route or essential trade area has been included as Appendix M.

Additional information on U.S. oceanborne foreign trade is available by writing to: Director, Office of Trade Studies and Subsidy Contracts, Maritime Administration, U.S. Department of Transportation, 400 7th Street S.W., Room 8117, Washington, D.C. 20590.

## TECHNICAL NOTES

The original sources of the statistical data in this publication are "business confidential" and may not be supplied in a format permitting competitors to determine the carryings of other individual competitors.

The import statistics listed here are derived from copies of import entry and warehouse withdrawal forms. The export statistics used are derived from Shipper Export Declarations. Both the import and export documents are required to be filed with United States Customs officials. These data are subsequently forward to the Bureau of the Census. U.S. Department of Defense Military Program Grant-Aid shipments, and shipments by qualified authorized exports, require submission of data directly to the Bureau of the Census. This information, after being processed, is made available to the Maritime Administration.

The statistics tabulated herein, with the exception of Appendix C, are based upon the port of lading and the port of discharge of cargoes. No distinction is made for cargoes moved by landbridge or mini-bridge methods. Any cargoes which originates in one country, is transshipped to another country, and is loaded onboard a vessel destined for the U.S. will appear in this publication as moving from the country where the cargo was loaded on board the vessel bound for the United States. Likewise, any cargo shipped from the United States, discharged at a foreign port, and transshipped elsewhere will appear as moving from the U.S. to the first foreign port of discharge.

The import and export statistics reflected in this publication are explained in detail in the U.S. Department of Commerce, Bureau of the Census Guide to Foreign Trade Statistics - 1983. This publication explains that Government and non-Government imports of merchandise from foreign areas into the 50 states, District of Columbia and Puerto Rico are tabulated with the following exclusions:

- Shipments between the United States and Puerto Rico, between the United States, including Puerto Rico and the Virgin Islands, Guam, American Somoa, and other U.S. possessions, between any of these outlying areas; and imports into U.S. possessions from foreign countries;
- U.S. merchandise returned by U.S. Armed Forces for their own use;
- Issued monetary coins of all component metals;
- Some other transactions, such as personal and household effects of travelers, temporary imports, and low-valued nondutiable imports by mail.

Similarly, all Government and non-government exports of domestic and foreign merchandise from the 50 States, District of Columbia and Puerto Rico are tabulated with the following exclusions:

- Shipments between the United States and Puerto Rico, between the United States, including Puerto Rico and the Virgin Islands, Guam, American Samoa, and other U.S. possessions, between any of these outlying areas, and shipments from U.S. possessions to foreign countries;
- Shipments to U.S. Armed Forces for their own use, including shipments to U.S. armed services post exchanges, and shipments for U.S. Government use which, although not consigned to our Armed Forces, are similarly identified with activities for the direct benefit of the U.S. Government. For example, the following are excluded:
    - Shipments of Office furniture, equipment and supplies;
    - Shipments of food, medicine, and other commissary supplies;
    - Shipments for the construction and maintenance of U.S. satellite-tracking stations;
    - Shipments in connection with U.S. Antarctic Research Program.
- Issued monetary coins of all component metals;
- Bunker fuels and other supplies and equipment for use on departing vessels engaged in foreign trade;
- Electric energy;
- Other transactions such as personal and household merchandise for the personal use of U.S. Government employees abroad and low-valued or noncommercial exports by mail.

The following types of shipments are included in the export statistics:

- Department of Defense Military Assistance Program Grant-Aid shipments under the Foreign Assistance Act;
- Shipments of agricultural commodities under P.L. 480 (Agricultural Trade Development and Assistance Act of 1954, as amended) and related laws;
- Shipments of merchandise by a company in the United States to a branch, affiliate, or parent of the same company in a foreign country;
- Purchases made in the United States by representatives of foreign countries for foreign governments or firms, exported by the representative to his own or a third country;
- Sales of U.S. vessels to purchasers in foreign countries;
- Shipments of commodities for economic assistance under the Foreign Assistance Act;

- Effective with the 1978 statistics, exports of nonmonetary gold, previously excluded, are included.

Import and export statistics for waterborne commodity movements between the United States Great Lakes ports and Canadian Great Lakes ports are designated as Trade Route 61 and have been included as Appendix A.

Traditional numerical designations for some U.S. trade routes have been adjusted for compatability with Maritime Administration data processing programs. These trade route changes are as follows:

| Traditional Trade Route Designator | Trade Route Designator for this Publication |
|---|---|
| 14-1 | 41 |
| 14-2 | 42 |
| 14-3 | 43 |
| 15-A | 51 |
| 15-B | 52 |
| 15-C | 53 |
| 26-C | 65 |

To facilitate the automatic aggregation of Great Lakes Trade Area information, the foreign trade routes included within each Trade Area definition have been eliminated, beginning with calendar year 1980 statistics. A brief description of each Great Lakes Trade Area and the trade routes involved follows:

| Trade Area | Description | Former Trade Routes Involved |
|---|---|---|
| I | U.S. GL/U.K. & Continental Europe | 32 |
| II | U.S. GL/West, East & South Africa | 54 & 55 |
| III | U.S. GL/Caribbean & South America | 33, 80* & 84 |
| IV | U.S. GL/Mediterranean, Persian Gulf through Burma | 34 & 56 (Persian Gulf through Burma) |
| V | U.S. GL/Far East, Indonesia, Malaysia, Singapore & Australasia | 56 (Indonesia Malaysia, Singapore), 59 & 60 |

* - Trade Route No. 80 prior to 1980 statistics included the foreign areas of West Coast South America, West Coast Central America and West Coast Mexico. With the advent of Trade Area aggregations, Trade Route No. 80 only includes the West Coast of Central America and the West Coast of Mexico.

To faciliate the compilation of the foreign trade statistics appearing in this publication, the following Bureau of the Census schedules were used:

Schedule A - Statistical Classification of Commodities Imported into the United States
Schedule C - Classification of Country Designations for U.S. Foreign Trade Statistics
Schedule D - Classification of U.S. Customs Districts and Ports for U.S. Foreign Trade Statistics
Schedule E - Statistical Classification of Domestic and Foreign Commodities Exported from the United States
Schedule K - Classification of Foreign Ports by Geographic Trade Area and Country

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# Part I

# UNITED STATES FOREIGN TRADE HIGHLIGHTS

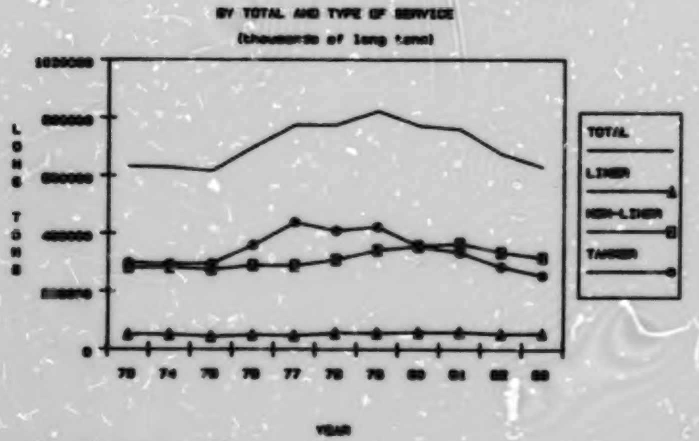
## HIGHLIGHTS

This section contains statistics that illustrate the trends and events impacting the United States oceanborne trade in the year 1983. The liner, non-liner and tanker services for this year were reviewed and compared to earlier years. Significant changes were noted for import and export tonnages, commodity movements, trading partners, U.S. port and coastal district activity, and the share transported by U.S. registered merchant vessels. Trade highlights follow directly, and the complete statistical recap on all of the essential and non-essential U.S. trade routes, from which the highlights were derived, is found in the later sections of this publication.

## Overall Trade

Total U.S. oceanborne foreign trade continued to decline for the fourth consecutive year. Total tonnage dropped 7 percent below the 1982 level to 630 million long tons--the lowest since 1975.

UNITED STATES OCEANBORNE FOREIGN TRADE



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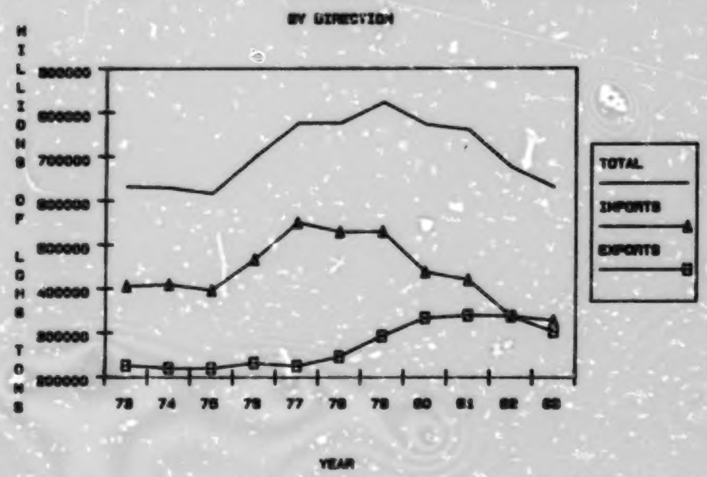
UNITED STATES OCEANBORNE FOREIGN TRADE



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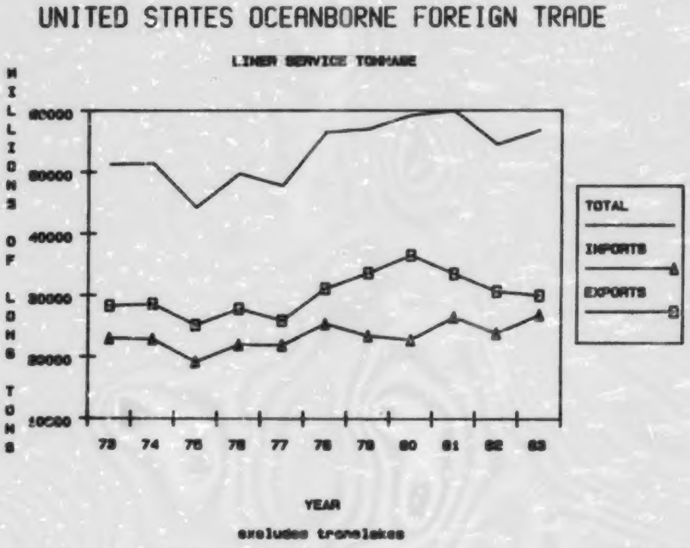
Total exports declined 35 million long tons (10 percent); coal exports alone fell 24 million tons. Total imports fell to its lowest level since 1972 with 328 million long tons, led by a six percent decrease in petroleum imports. Non-liner and tanker service imports and exports, as well as liner service exports experienced decreases during 1983. The Liberian fleet led all flags carrying 28 percent of total U.S. trade, followed by Panama (11 percent), Greece (10 percent) and the United States (6 percent). Tables 1 and 2 on pages 186 and 187 and Appendix D, pages 274-279 contain the yearly statistics on the level of United States oceanborne foreign trade.

## Liner Service

Liner service tonnage totaled 56.8 million long tons for an increase of 4 percent. The balance of trade in liner service during 1983 narrowed as imports increased 12 percent over 1982, totaling a record 26.8 million long tons while exports declined for the third consecutive year falling to just under 30 million long tons, the lowest level since 1977.


UNITED STATES OCEANBORNE FOREIGN TRADE

LINER SERVICE TONNAGE

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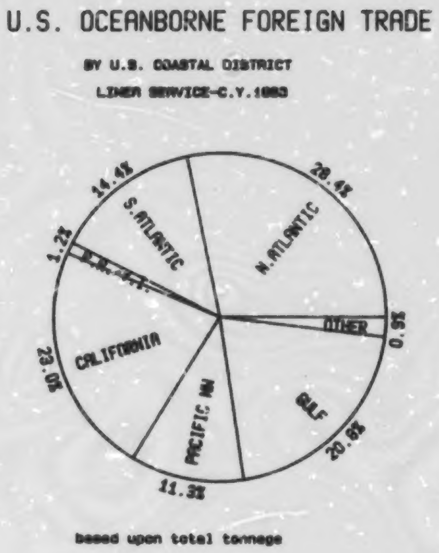
The U.S. North Atlantic and Gulf coastal districts experienced tonnage declines during 1983 while the South Atlantic and two Pacific coastal districts increased their total tonnage. Of the leading U.S. ports, Longview, Washington showed the largest percentage gain (40 percent) while Long Beach experienced the largest tonnage growth (768,000 long tons). New York led all ports with 9.6 million tons, followed by Long Beach with 5 million tons.

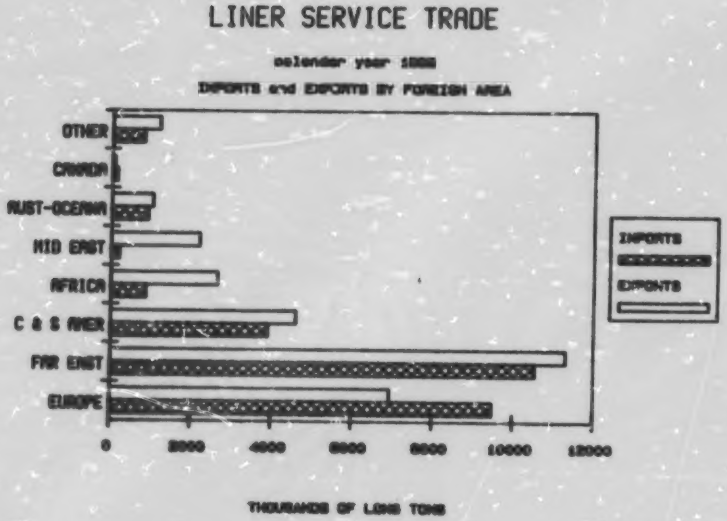

U.S. OCEANBORNE FOREIGN TRADE

BY U.S. COASTAL DISTRICT

LINER SERVICE-C.Y.1983

based upon total tonnage

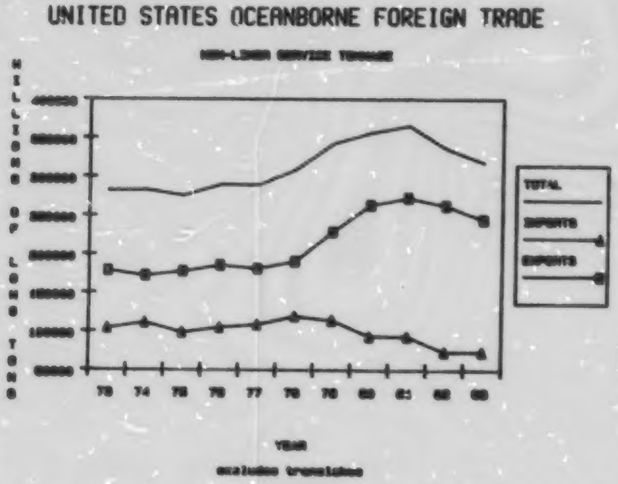
The U.S./Far East trade accounted for over 38 percent of the liner trade and reached 21.8 million long tons; a growth of 10 percent. Feeder services utilizing the ports of Kaohsiung and Keelung have pushed the direct movement of liner cargo between the United States and the Republic of China (Taiwan) close to the 5 million long ton mark. Liner cargo tons in the Taiwan trade increased 30 percent and overtaking the Netherlands by almost one million tons to become the second largest direct liner service trade behind Japan's 9.4 million long tons. The Netherlands was followed by West Germany (2.9 million), South Korea (2.5 million) and Hong Kong (2.4 million).



The leading import commodity groups were: alcoholic/non-alcoholic beverages, 2 million tons; fruits and vegetables, 1.9 million tons; and manufactures of metal, which includes hardware, tools, cable, stoves and etc., 1.6 million tons. Exports were led by grains, 3.4 million tons; pulp and wastepaper, 2.6 million tons; and paper/paper products 1.9 million tons. The Panamanian and Japan fleets each accounted for 8 percent of liner service trade followed by West Germany with 6.6 percent. Tables 3 through 6 on pages 188 through 191 exhibit liner service trade breakdowns.

## Non-Liner Service

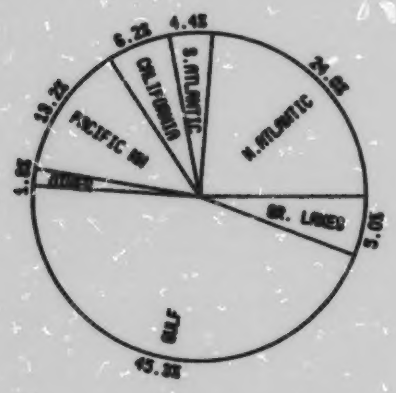
Total non-liner trade decreased 5 percent (18 million long tons) during 1983, much attributable to a 25 million ton decrease in coal exports. Europe's demand for U.S. coal decreased 16 million long tons and U.S. coal exports to Japan dropped 7 million long tons. In contrast, the demand for U.S. petroleum products increased by almost 7 million tons; exports of petroleum coke to Europe increased 2.2 million long tons and increased one million long tons to Japan. Animal-feed exports increased 4.4 million long tons (56 percent increase); led by the Netherlands' increase of 2.6 million long tons (+80 percent) and West Germany's increase of 1.8 million long tons (+22.9 percent). Total non-liner imports remained virtually unchanged at 73 million long tons of cargo.



U.S. OCEANBORNE FOREIGN TRADE

BY U.S. COASTAL DISTRICT

NON-LINER SERVICE-C.Y.1983



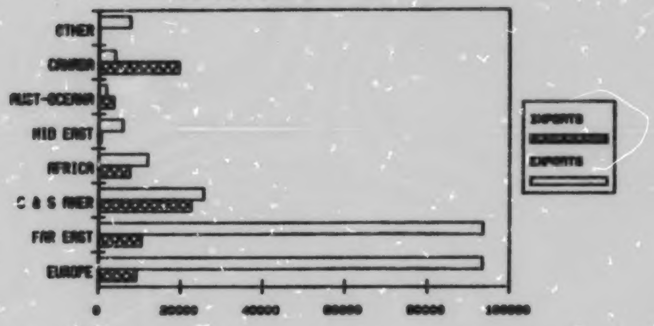
based upon total tonnage

U.S. Gulf ports accounted for 45 percent (43 million long tons) of the trade; Gramercy, Louisiana became the leading U.S. port with 32.5 million long tons which represented a 39 percent increase in tonnage. Gramercy's surge was due to an increase in the exportation of corn 15.4 million (up 16 percent); soybeans 8.4 million (up 105 percent); and animal feed 4.0 million (up 74 percent). Tampa's cargo tonnage increased 28 percent, and totaled 16.5 million long tons to rank fourth among all U.S. ports compared to ranking eighth during 1982; exports of phosphates increased 31 percent and totaled 7.3 million long tons. The U.S. North Atlantic coastal district's tonnage decreased 76 million tons (32 percent) with the ports of Norfolk and Baltimore experiencing large export tonnage decreases. Portland, Oregon was the leading Pacific coast port accounting for 28 percent of the West Coast's trade; total tons increased 17 percent.

NON-LINER SERVICE TRADE

calendar year 1983

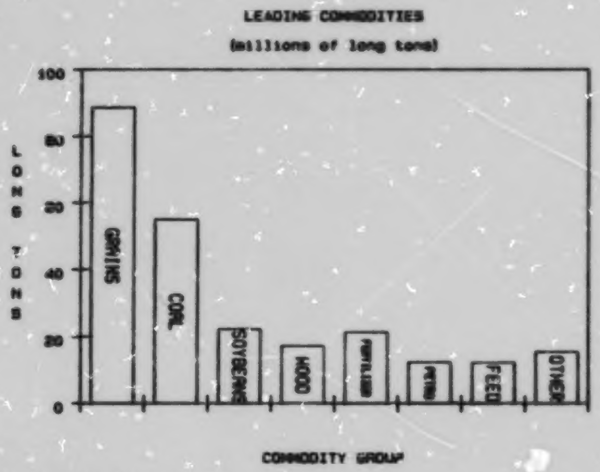
IMPORTS and EXPORTS BY FOREIGN AREA



THOUSANDS OF LONG TONS

Cargo moving to the Far East (93.6 million long tons) and to Europe (93.5 million long tons) accounted for 77 percent of the U.S. non-liner export trade, while imports were dominated by the Central/South American (22.5 million tons) and Canadian (19.5 million tons) trades. Exports were led by grains, 88.3 million tons; coal, 55 million long tons, a 31 percent drop, and soybeans, 22.2 million long tons. The leading import commodity groups were: ores and metal scrap, 25.4 million tons; crude fertilizer and minerals, 16.1 million tons; and iron and steel, 11.3 million tons. The Liberian fleet led all flags with 23 percent of the trade, followed by Panama (13 percent) and Greece (11 percent). Tables 7 through 10 on pages 192 through 195 exhibit non-liner service trade breakdowns.

1983 NON-LINER SERVICE EXPORTS



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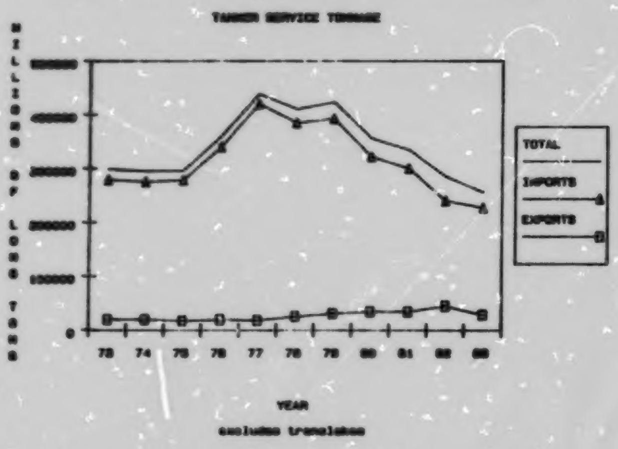
UNITED STATES OCEANBORNE FOREIGN TRADE



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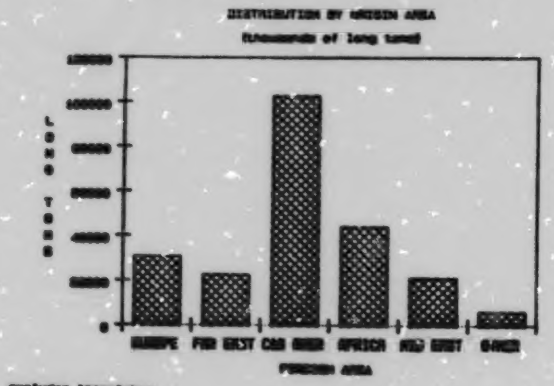
## Tanker Service

Tanker service trade totaled 256 million long tons the lowest level since calendar year 1972. Tanker service imports totaled 227 million long tons, a decrease of 13 million long tons and were dominated by the Mexican and Central/South American trades, which accounted for 102 million long tons; African trade followed with 44 million long tons and Europe with 31 million long tons. Crude oil imports decreased 16 million tons. Direct crude imports (148 million tons) showed Mexico as the leading exporting country with 35 million tons followed by Indonesia (17 million), United Kingdom (16 million), Nigeria (13 million) and Saudi Arabia (12 million). Refined petroleum products imports totaled 68 million long tons. The leading countries of origin for petroleum products were Venezuela (14.2 million tons), Netherlands Antilles (11.5 million tons), Algeria (7.4 million tons) and the Bahamas (6.8 million).

Tanker exports decreased 12 million long tons (36 percent decrease), with petroleum products and grain exports down 4 million tons and 3.8 million tons, respectively. Export tonnage totaled 28.7 million long tons with 7.9 million transported to Europe (14 million ton decrease) and 10.9 million to the Far East.

1983 TANKER SERVICE IMPORTS



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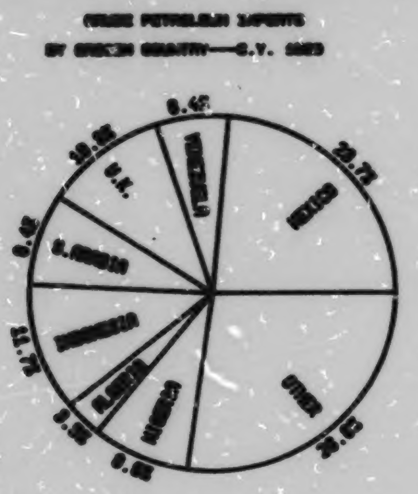
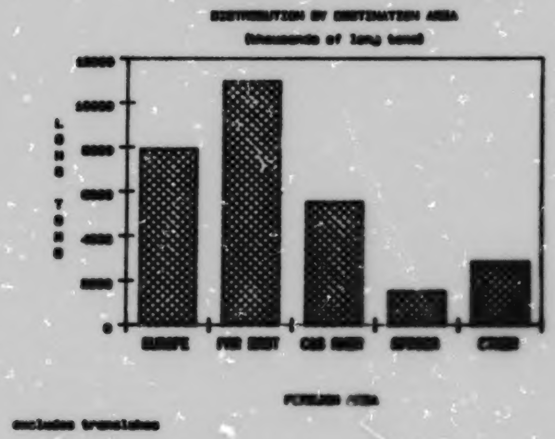
## U.S. OCEANBORNE FOREIGN TRADE

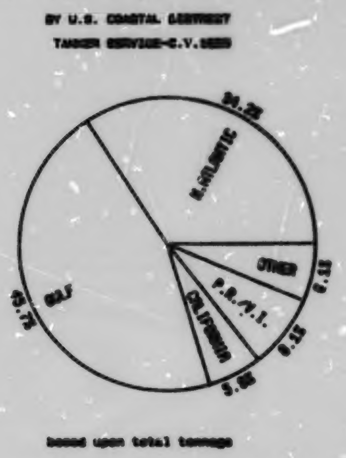


Despite an 18 percent decrease in tonnage U.S. Gulf ports still accounted for 46 percent of the trade, followed by U.S. North Atlantic ports at 31 percent. Several Gulf ports experienced large tonnage reductions during 1983: Gramercy, 16 million; New Orleans, 7.5 million; and Baton Rouge, 3.2 million. In contrast, large gains were experienced by Pascagoula, 3.6 million; Lake Charles, 3.6 million; and Beaumont, 2.5 million. New York led all U.S. ports in total tanker trade with 31 million long tons followed by Houston (18.8 million) and Texas City (14.2 million). The Liberian fleet led all flags with 40 percent of the trade, followed by Greece (10 percent) and Panama (9 percent). Tables 11 through 14 on pages 196 through 199 exhibit the breakdown of tanker service trade.

## 1983 TANKER SERVICE EXPORTS



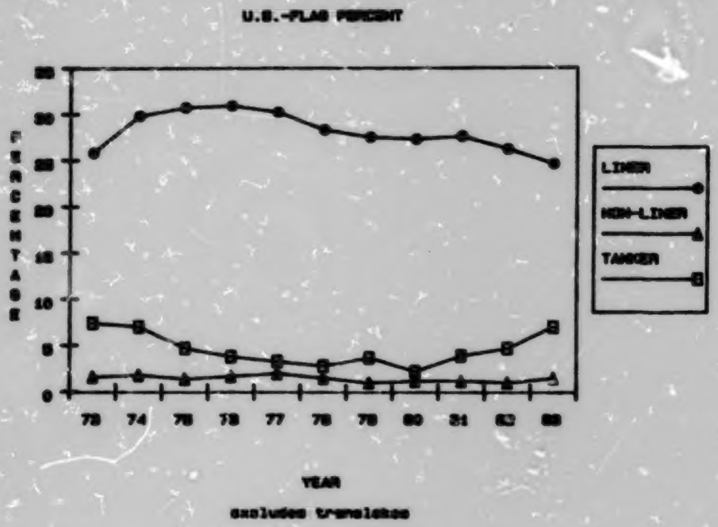
## U.S. OCEANBORNE FOREIGN TRADE



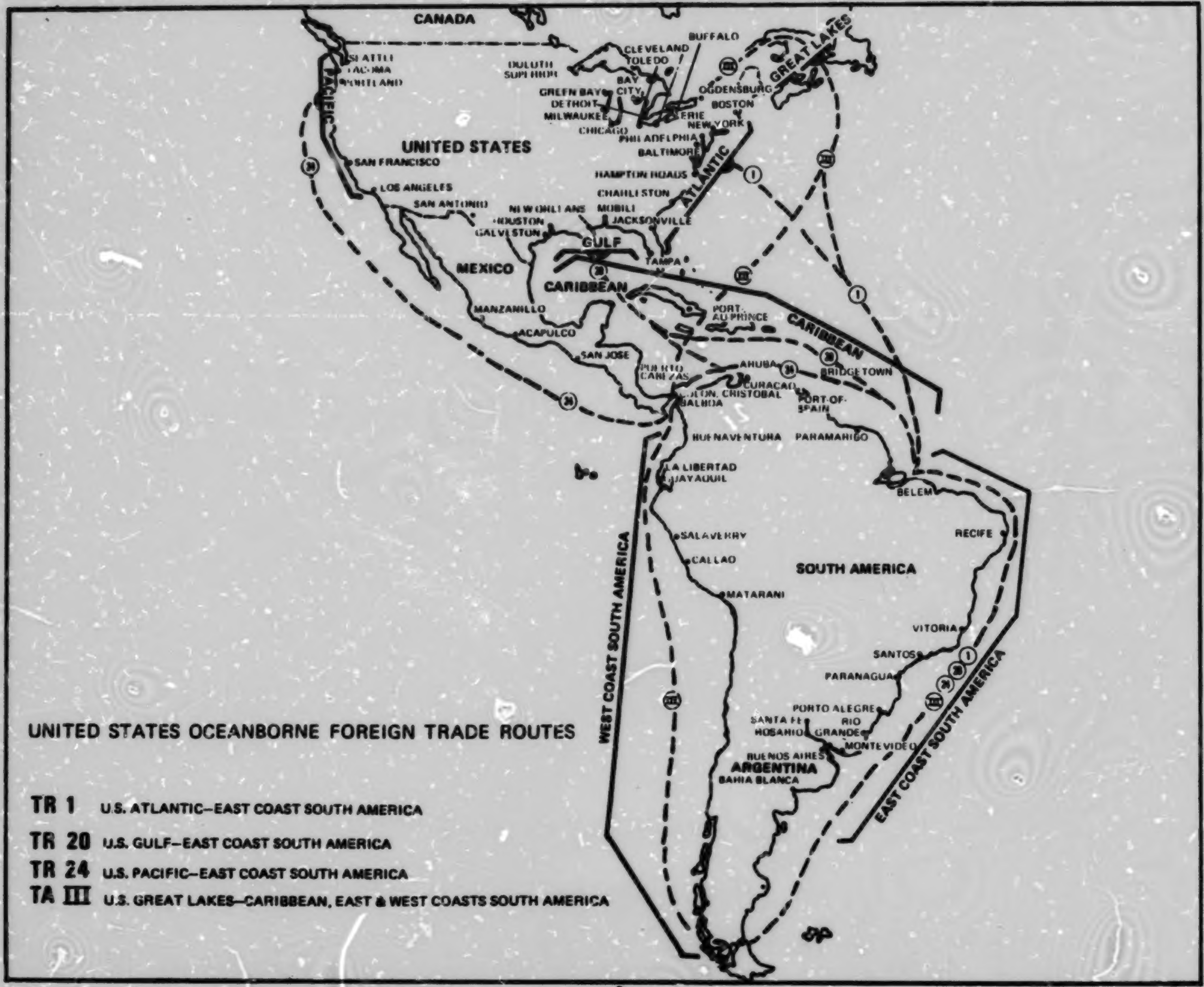
## U.S Flag Participation

Due to an increased involvement by U.S.-flag tankers U.S.-flag participation rose to 5.8 percent, the highest level since 1974. U.S. tankers increased their participation from 4.7 percent during 1982 to 7 percent during 1983. Non-liner service participation increased from 1.0 percent to 1.5 percent. However, U.S.-flag liner service trade experienced its lowest rate (24.6 percent) since 1972; preliminary 1984 figures indicate that it will fall below 22 percent. While total U.S. trade tonnage declined, U.S.-flag cargo tonnage increased 5.5 million long tons. Benefiting from Strategic Petroleum Reserve legislation U.S.-flag tanker import tonnage rose 5.2 million tons.

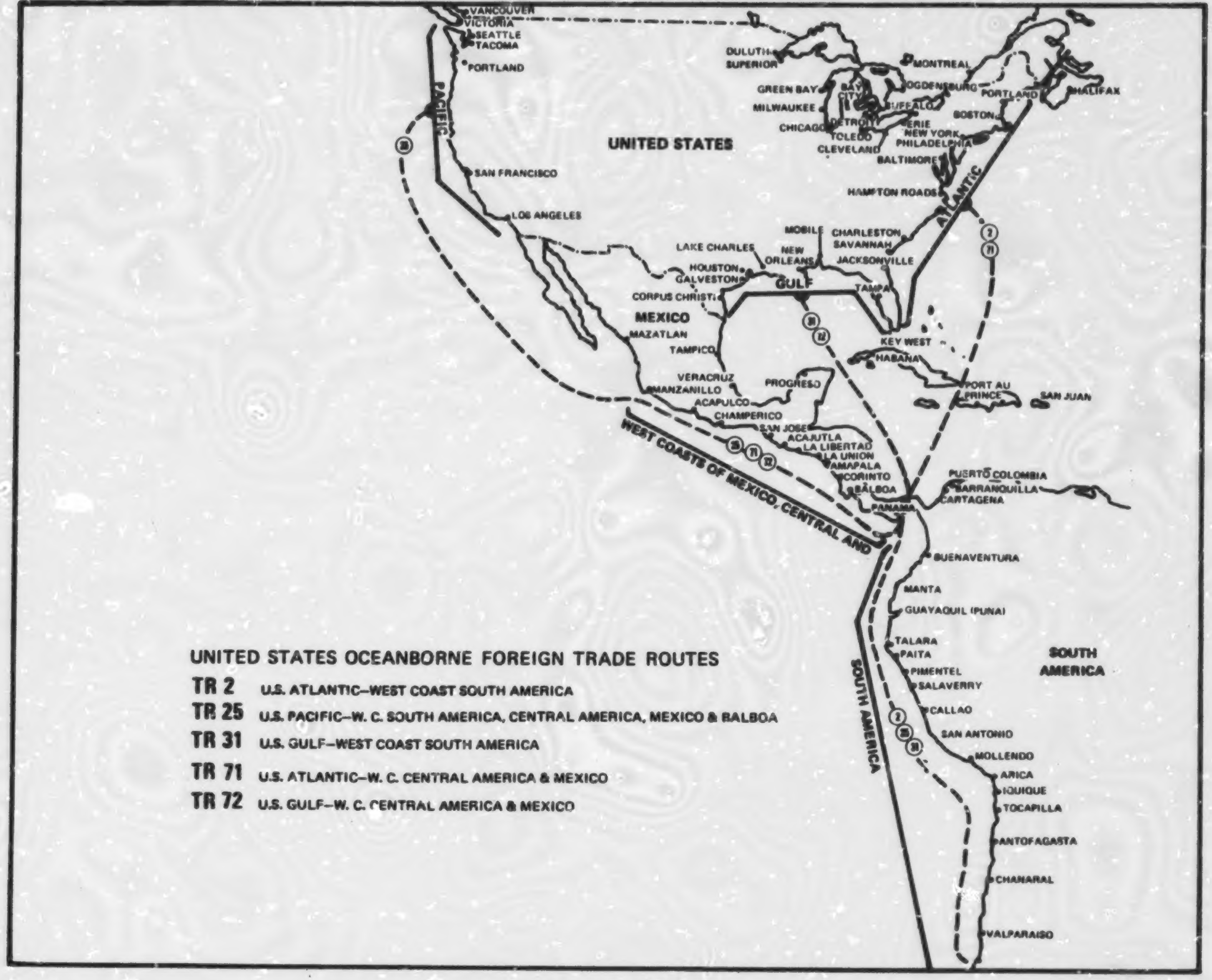
UNITED STATES OCEANBORNE FOREIGN TRADE



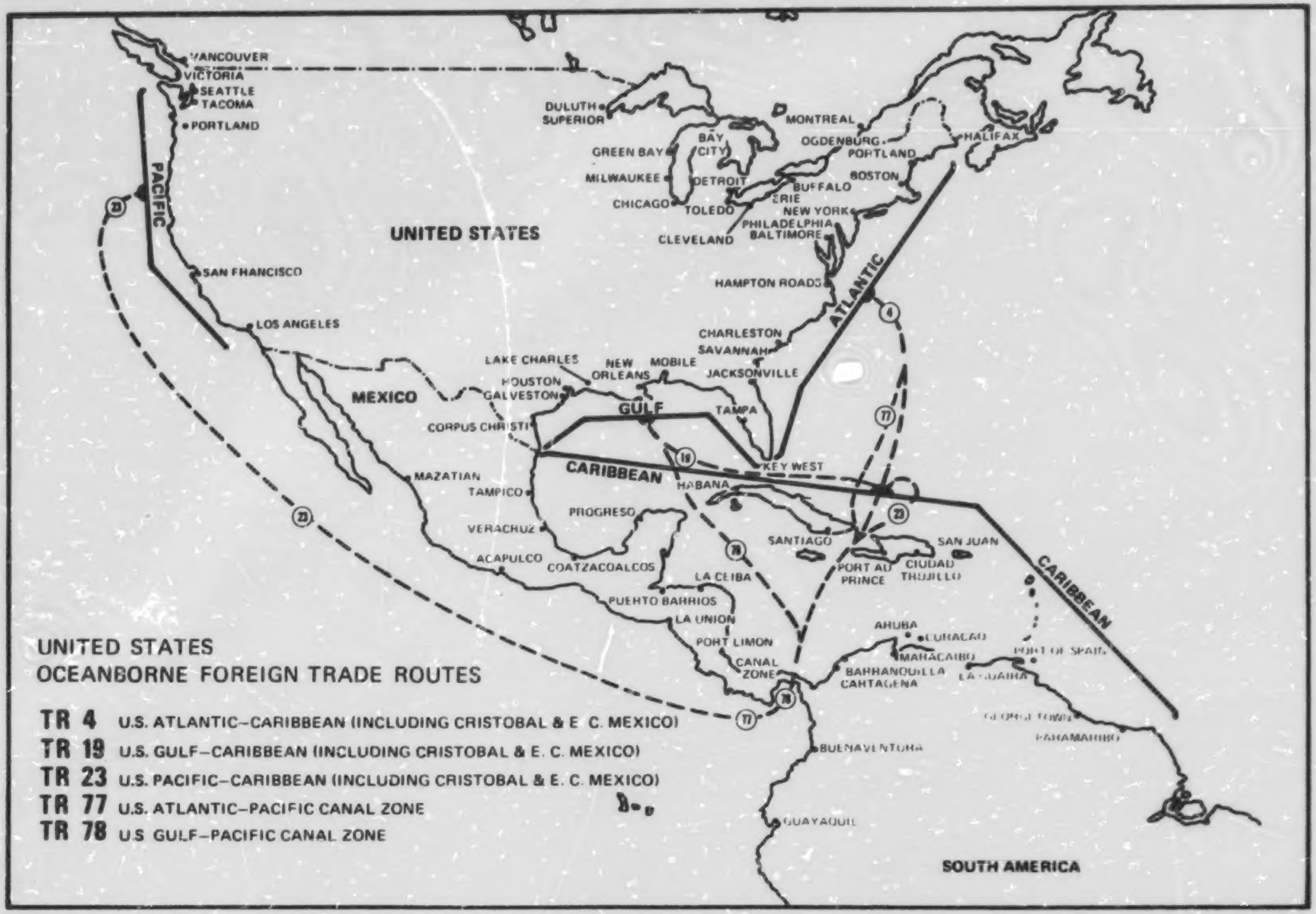
MAP A U.S. Coasts/East Coast South America


UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
TR 1 U.S. ATLANTIC–EAST COAST SOUTH AMERICA
TR 20 U.S. GULF–EAST COAST SOUTH AMERICA
TR 24 U.S. PACIFIC–EAST COAST SOUTH AMERICA
TA III U.S. GREAT LAKES–CARIBBEAN, EAST & WEST COASTS SOUTH AMERICA
CANADA
UNITED STATES
MEXICO
SOUTH AMERICA
ARGENTINA
PACIFIC
ATLANTIC
GULF
CARIBBEAN
GREAT LAKES
WEST COAST SOUTH AMERICA
EAST COAST SOUTH AMERICA
SEATTLE
TACOMA
PORTLAND
SAN FRANCISCO
LOS ANGELES
SAN ANTONIO
DULUTH
SUPERIOR
GREEN BAY
DETROIT
MILWAUKEE
CHICAGO
BAY CITY
CLEVELAND
TOLEDO
BUFFALO
ERIE
OGDENSBURG
BOSTON
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
NEW ORLEANS
MOBILE
JACKSONVILLE
HOUSTON
GALVESTON
TAMPA
MANZANILLO
ACAPULCO
SAN JOSE
PUERTO CABEZAS
PORT-AU-PRINCE
ARUBA
CURACAO
BRIDGETOWN
COLON, CRISTOBAL
BALBOA
PORT-OF-SPAIN
BUENAVENTURA
PARAMARIBO
LA LIBERTAD
GUAYAQUIL
BELEM
RECIFE
SALAVERRY
CALLAO
MATARANI
VITORIA
SANTOS
PARANAGUA
PORTO ALEGRE
SANTA FE
ROSARIO
RIO GRANDE
MONTEVIDEO
BUENOS AIRES
BAHIA BLANCA

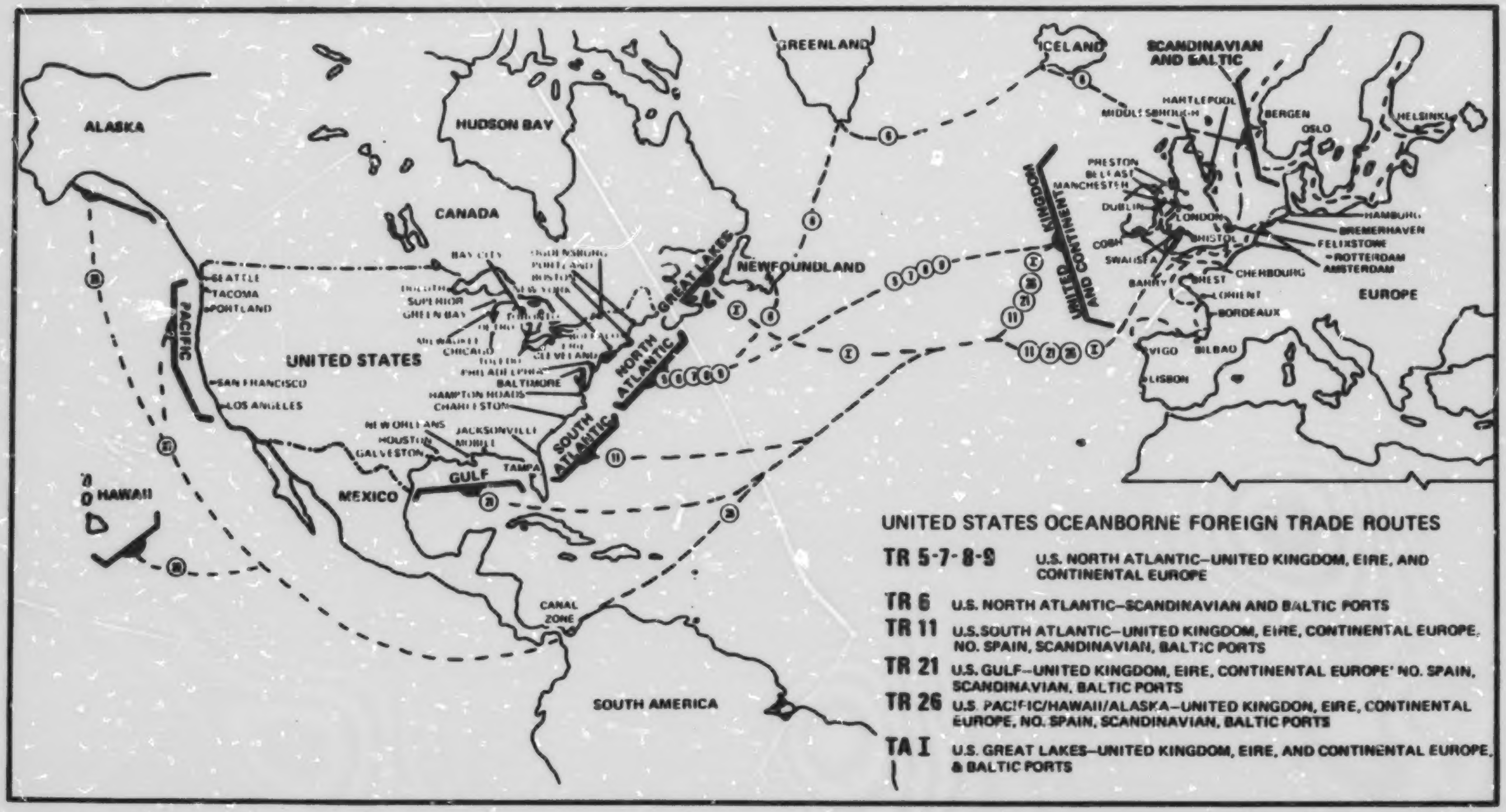
MAP B  U.S. Coasts/West Coast Central America, South America and Mexico


UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
TR 2 U.S. ATLANTIC–WEST COAST SOUTH AMERICA
TR 25 U.S. PACIFIC–W. C. SOUTH AMERICA, CENTRAL AMERICA, MEXICO & BALBOA
TR 31 U.S. GULF–WEST COAST SOUTH AMERICA
TR 71 U.S. ATLANTIC–W. C. CENTRAL AMERICA & MEXICO
TR 72 U.S. GULF–W. C. CENTRAL AMERICA & MEXICO
UNITED STATES
MEXICO
SOUTH AMERICA
PACIFIC
ATLANTIC
GULF
WEST COASTS OF MEXICO, CENTRAL AND
SOUTH AMERICA
VANCOUVER
VICTORIA
SEATTLE
TACOMA
PORTLAND
SAN FRANCISCO
LOS ANGELES
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
CHICAGO
BAY CITY
DETROIT
TOLEDO
CLEVELAND
MONTREAL
OGDENSBURG
BUFFALO
ERIE
PORTLAND
HALIFAX
BOSTON
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
SAVANNAH
JACKSONVILLE
MOBILE
NEW ORLEANS
LAKE CHARLES
HOUSTON
GALVESTON
CORPUS CHRISTI
TAMPA
KEY WEST
HABANA
PORT AU PRINCE
SAN JUAN
MAZATLAN
TAMPICO
VERACRUZ
PROGRESO
MANZANILLO
ACAPULCO
CHAMPERICO
SAN JOSE
ACAJUTLA
LA LIBERTAD
LA UNION
AMAPALA
CORINTO
BALBOA
PANAMA
PUERTO COLOMBIA
BARRANQUILLA
CARTAGENA
BUENAVENTURA
MANTA
GUAYAQUIL (PUNA)
TALARA
PAITA
PIMENTEL
SALAVERRY
CALLAO
SAN ANTONIO
MOLLENDO
ARICA
IQUIQUE
TOCAPILLA
ANTOFAGASTA
CHANARAL
VALPARAISO
2
25
31
71
72

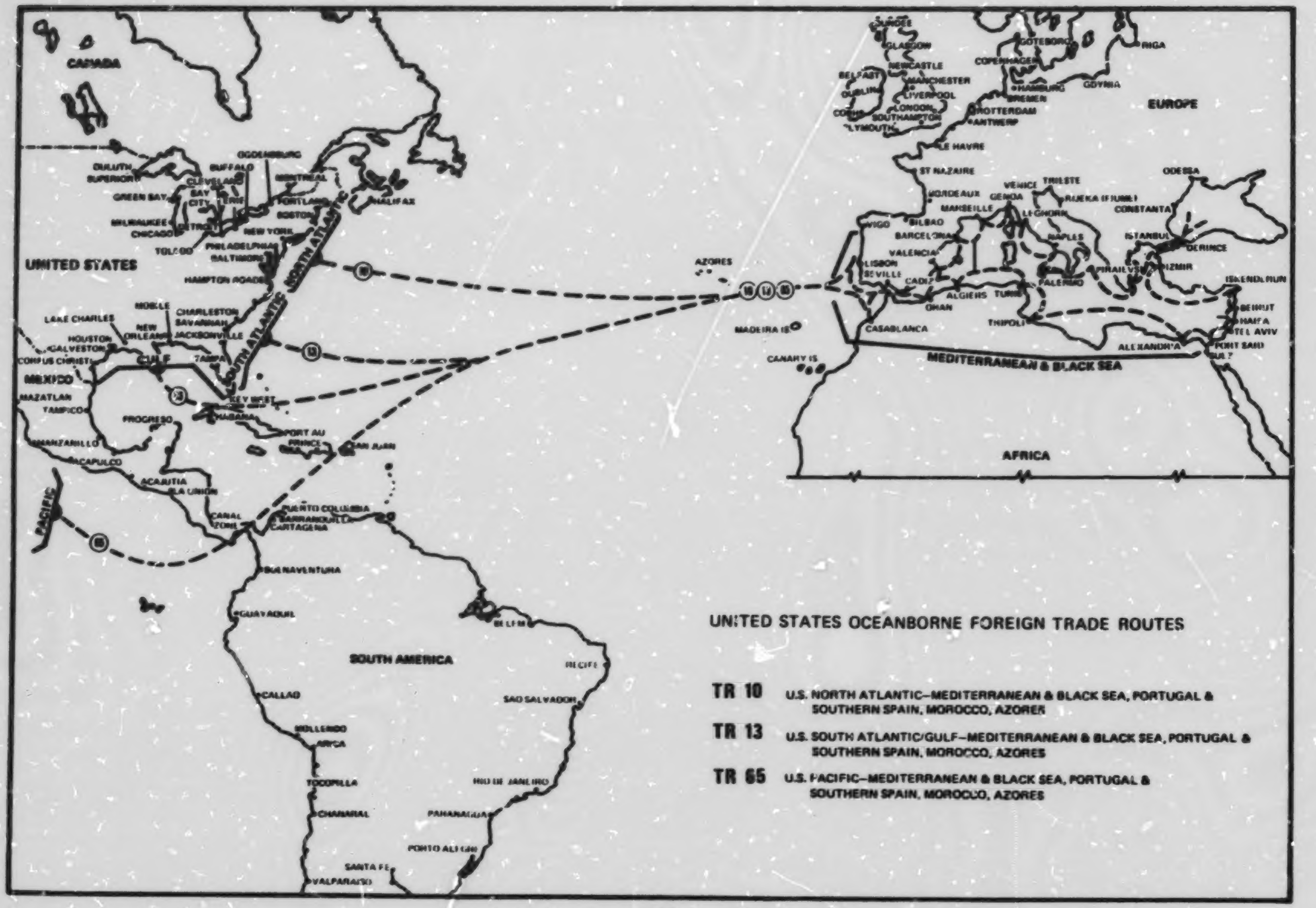
MAP C U.S. Coasts/Caribbean


UNITED STATES
OCEANBORNE FOREIGN TRADE ROUTES
TR 4 U.S. ATLANTIC-CARIBBEAN (INCLUDING CRISTOBAL & E. C. MEXICO)
TR 19 U.S. GULF-CARIBBEAN (INCLUDING CRISTOBAL & E. C. MEXICO)
TR 23 U.S. PACIFIC-CARIBBEAN (INCLUDING CRISTOBAL & E. C. MEXICO)
TR 77 U.S. ATLANTIC-PACIFIC CANAL ZONE
TR 78 U.S. GULF-PACIFIC CANAL ZONE
UNITED STATES
MEXICO
SOUTH AMERICA
PACIFIC
ATLANTIC
GULF
CARIBBEAN
CARIBBEAN
VANCOUVER
VICTORIA
SEATTLE
TACOMA
PORTLAND
SAN FRANCISCO
LOS ANGELES
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
CHICAGO
BAY CITY
DETROIT
TOLEDO
CLEVELAND
MONTREAL
OGDENBURG
PORTLAND
HALIFAX
BOSTON
BUFFALO
ERIE
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
SAVANNAH
JACKSONVILLE
TAMPA
KEY WEST
LAKE CHARLES
NEW ORLEANS
MOBILE
HOUSTON
GALVESTON
CORPUS CHRISTI
MAZATIAN
TAMPICO
PROGRESO
VERACRUZ
ACAPULCO
COATZACOALCOS
HABANA
SANTIAGO
PORT AU PRINCE
CIUDAD TRUJILLO
SAN JUAN
LA CEIBA
PUERTO BARRIOS
LA UNION
PORT LIMON
CANAL ZONE
ARUBA
CURACAO
MARACAIBO
BARRANQUILLA
CARTAGENA
LA GUAIRA
PORT OF SPAIN
GEORGETOWN
PARAMARIBO
BUENAVENTURA
GUAYAQUIL
4
19
23
77
78

MAP D U.S. Coasts/United Kingdom, Continental Europe (No. of Portugal), Scandinavia and the Baltic


GREENLAND
ICELAND
SCANDINAVIAN AND BALTIC
ALASKA
HUDSON BAY
CANADA
NEWFOUNDLAND
UNITED STATES
MEXICO
HAWAII
CANAL ZONE
SOUTH AMERICA
EUROPE
SEATTLE
TACOMA
PORTLAND
PACIFIC
SAN FRANCISCO
LOS ANGELES
BAY CITY
OGDENSBURG
PORTLAND
BOSTON
NEW YORK
DULUTH
SUPERIOR
GREEN BAY
TORONTO
DETROIT
MILWAUKEE
BUFFALO
ERIE
CHICAGO
TOLEDO
CLEVELAND
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
NEW ORLEANS
HOUSTON
GALVESTON
JACKSONVILLE
MOBILE
TAMPA
GULF
GREAT LAKES
NORTH ATLANTIC
SOUTH ATLANTIC
UNITED KINGDOM AND CONTINENT
HARTLEPOOL
MIDDLESBROUGH
BERGEN
OSLO
HELSINKI
PRESTON
BELFAST
MANCHESTER
DUBLIN
LONDON
COBH
BRISTOL
SWANSEA
BARRY
BREST
CHERBOURG
LORIENT
BORDEAUX
HAMBURG
BREMERHAVEN
FELIXSTOWE
ROTTERDAM
AMSTERDAM
VIGO
BILBAO
LISBON
5 7 8 9
6
11
21
26
I
UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
TR 5-7-8-9 U.S. NORTH ATLANTIC—UNITED KINGDOM, EIRE, AND CONTINENTAL EUROPE
TR 6 U.S. NORTH ATLANTIC—SCANDINAVIAN AND BALTIC PORTS
TR 11 U.S. SOUTH ATLANTIC—UNITED KINGDOM, EIRE, CONTINENTAL EUROPE, NO. SPAIN, SCANDINAVIAN, BALTIC PORTS
TR 21 U.S. GULF—UNITED KINGDOM, EIRE, CONTINENTAL EUROPE' NO. SPAIN, SCANDINAVIAN, BALTIC PORTS
TR 26 U.S. PACIFIC/HAWAII/ALASKA—UNITED KINGDON, EIRE, CONTINENTAL EUROPE, NO. SPAIN, SCANDINAVIAN, BALTIC PORTS
TA I U.S. GREAT LAKES—UNITED KINGDOM, EIRE, AND CONTINENTAL EUROPE, & BALTIC PORTS

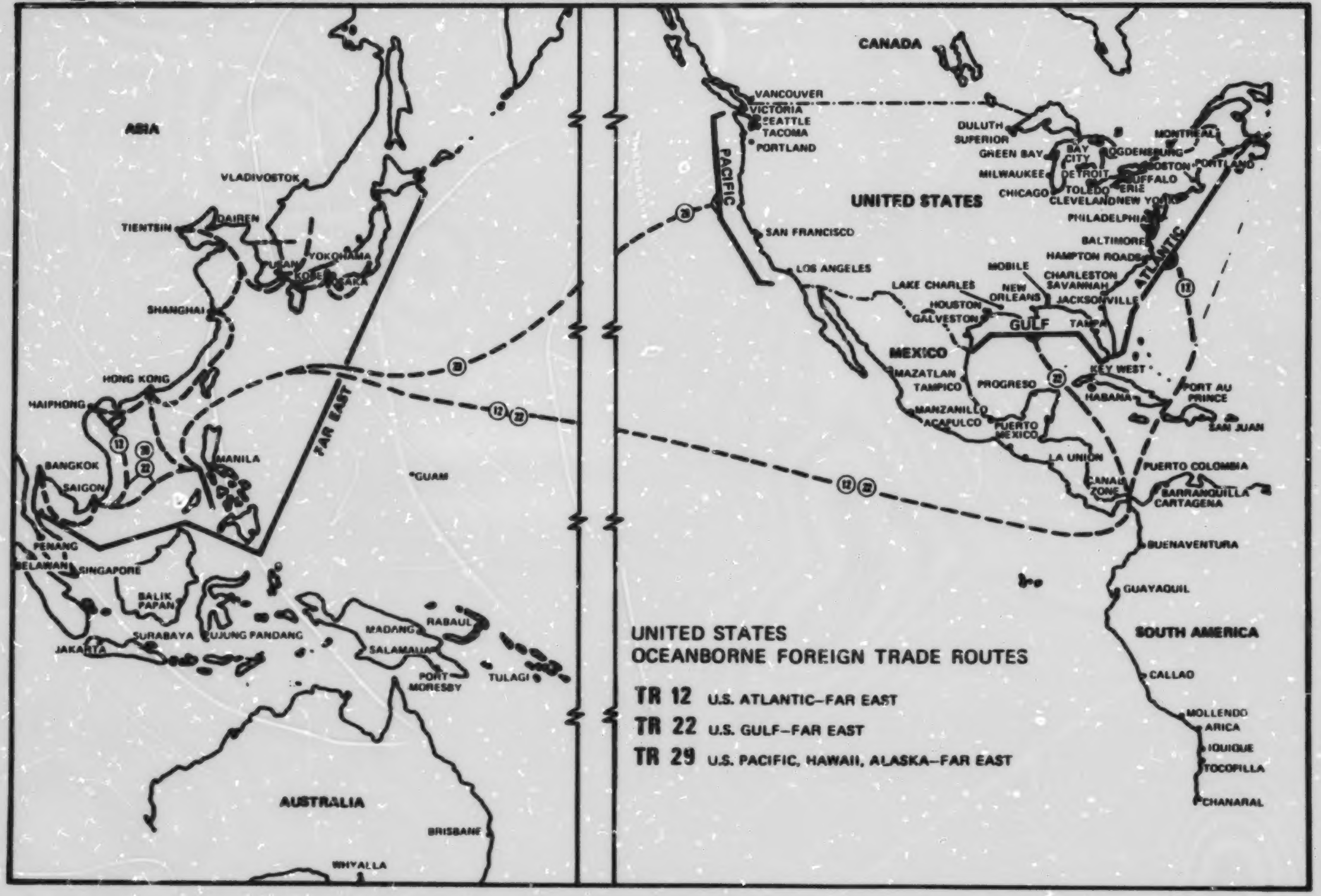
MAP E U.S. Coasts/Mediterranean and Black Sea


CANADA
UNITED STATES
MEXICO
SOUTH AMERICA
EUROPE
AFRICA
PACIFIC
GULF
SOUTH ATLANTIC
NORTH ATLANTIC
MEDITERRANEAN & BLACK SEA
DULUTH SUPERIOR
GREEN BAY
MILWAUKEE
CHICAGO
TOLEDO
DETROIT
BAY CITY
CLEVELAND
ERIE
BUFFALO
OGDENSBURG
MONTREAL
PORTLAND
BOSTON
HALIFAX
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
SAVANNAH
JACKSONVILLE
TAMPA
MOBILE
NEW ORLEANS
LAKE CHARLES
HOUSTON
GALVESTON
CORPUS CHRISTI
MAZATLAN
TAMPICO
PROGRESO
MANZANILLO
ACAPULCO
ACAJUTLA
LA UNION
KEY WEST
HABANA
PORT AU PRINCE
SAN JUAN
CANAL ZONE
PUERTO COLOMBIA
BARRANQUILLA
CARTAGENA
BUENAVENTURA
GUAYAQUIL
CALLAO
MOLLENDO
ARICA
TOCOPILLA
CHANARAL
VALPARAISO
SANTA FE
PORTO ALEGRE
PARANAGUA
RIO DE JANEIRO
SAO SALVADOR
RECIFE
BELEM
AZORES
MADEIRA IS
CANARY IS
DUNDEE
GLASGOW
NEWCASTLE
MANCHESTER
LIVERPOOL
BELFAST
DUBLIN
CORK
LONDON
SOUTHAMPTON
PLYMOUTH
ROTTERDAM
ANTWERP
HAMBURG
BREMEN
COPENHAGEN
GOTEBORG
GDYNIA
RIGA
LE HAVRE
ST NAZAIRE
BORDEAUX
BILBAO
VIGO
LISBON
SEVILLE
CADIZ
BARCELONA
VALENCIA
MARSEILLE
GENOA
VENICE
TRIESTE
RIJEKA (FIUME)
LEGHORN
NAPLES
PALERMO
TUNIS
ALGIERS
ORAN
CASABLANCA
TRIPOLI
PIRAIEVS
IZMIR
ISTANBUL
DERINCE
CONSTANTA
ODESSA
ISKENDERUN
BEIRUT
HAIFA
TEL AVIV
PORT SAID
SUEZ
ALEXANDRIA
10
13
65

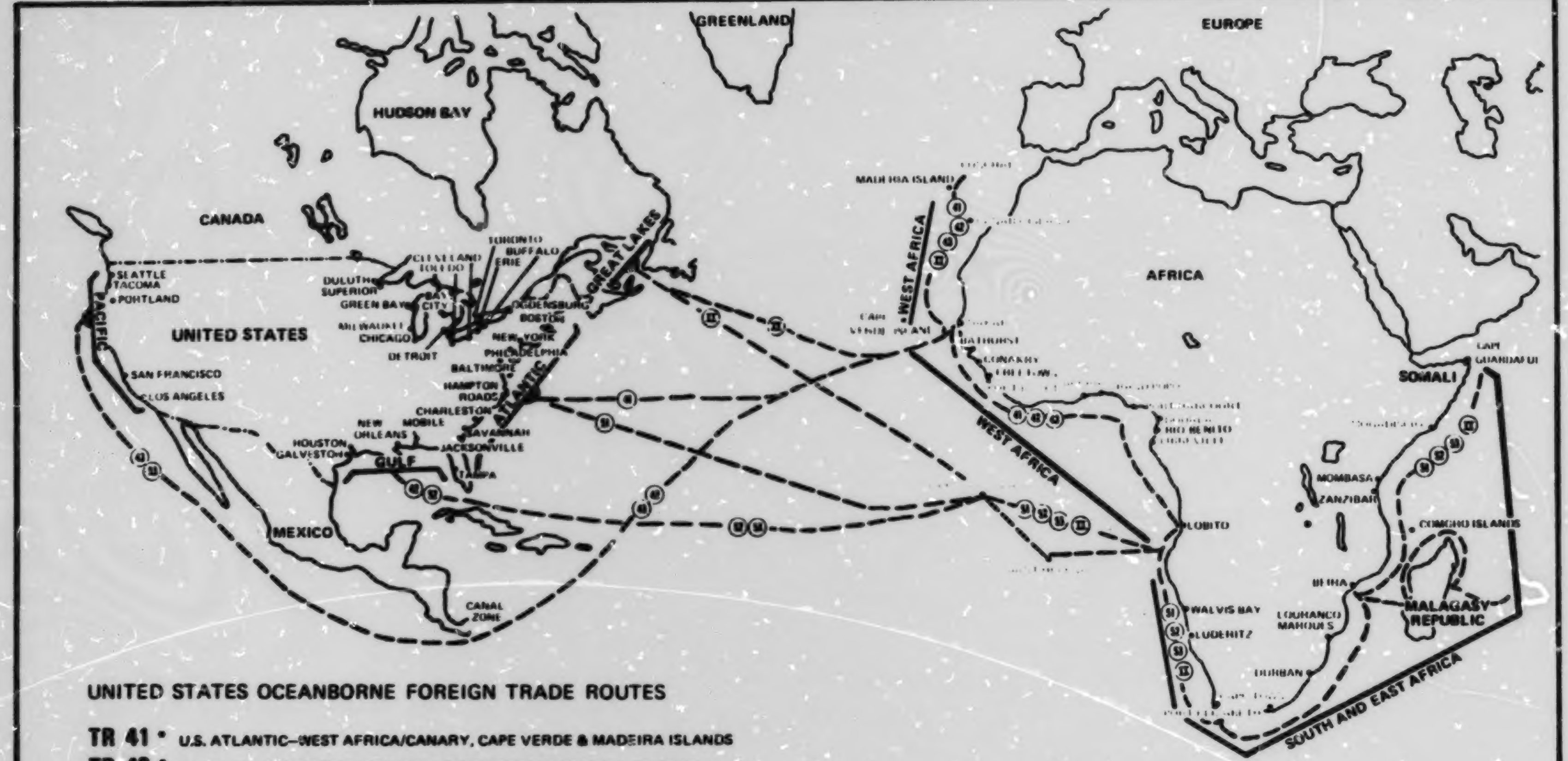
UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES

| | |
|---|---|
| **TR 10** | U.S. NORTH ATLANTIC–MEDITERRANEAN & BLACK SEA, PORTUGAL & SOUTHERN SPAIN, MOROCCO, AZORES |
| **TR 13** | U.S. SOUTH ATLANTIC/GULF–MEDITERRANEAN & BLACK SEA, PORTUGAL & SOUTHERN SPAIN, MOROCCO, AZORES |
| **TR 65** | U.S. PACIFIC–MEDITERRANEAN & BLACK SEA, PORTUGAL & SOUTHERN SPAIN, MOROCCO, AZORES |

MAP F U.S. Coasts, Hawaii and Alaska/Far East


UNITED STATES
OCEANBORNE FOREIGN TRADE ROUTES
TR 12 U.S. ATLANTIC–FAR EAST
TR 22 U.S. GULF–FAR EAST
TR 29 U.S. PACIFIC, HAWAII, ALASKA–FAR EAST
ASIA
VLADIVOSTOK
TIENTSIN
DAIREN
YOKOHAMA
KOBE
OSAKA
SHANGHAI
HONG KONG
HAIPHONG
BANGKOK
SAIGON
MANILA
FAR EAST
GUAM
PENANG
BELAWAN
SINGAPORE
BALIK PAPAN
SURABAYA
UJUNG PANDANG
JAKARTA
MADANG
RABAUL
SALAMAUA
PORT MORESBY
TULAGI
AUSTRALIA
BRISBANE
WHYALLA
CANADA
VANCOUVER
VICTORIA
SEATTLE
TACOMA
PORTLAND
PACIFIC
SAN FRANCISCO
LOS ANGELES
UNITED STATES
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
CHICAGO
BAY CITY
DETROIT
TOLEDO
CLEVELAND
OGDENSBURG
MONTREAL
BOSTON
PORTLAND
BUFFALO
ERIE
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
ATLANTIC
CHARLESTON
SAVANNAH
JACKSONVILLE
MOBILE
LAKE CHARLES
NEW ORLEANS
HOUSTON
GALVESTON
GULF
TAMPA
KEY WEST
MEXICO
MAZATLAN
TAMPICO
PROGRESO
HABANA
PORT AU PRINCE
SAN JUAN
MANZANILLO
ACAPULCO
PUERTO MEXICO
LA UNION
CANAL ZONE
PUERTO COLOMBIA
BARRANQUILLA
CARTAGENA
BUENAVENTURA
GUAYAQUIL
SOUTH AMERICA
CALLAO
MOLLENDO
ARICA
IQUIQUE
TOCOPILLA
CHANARAL

MAP G U.S. Coasts/West, South and East Africa

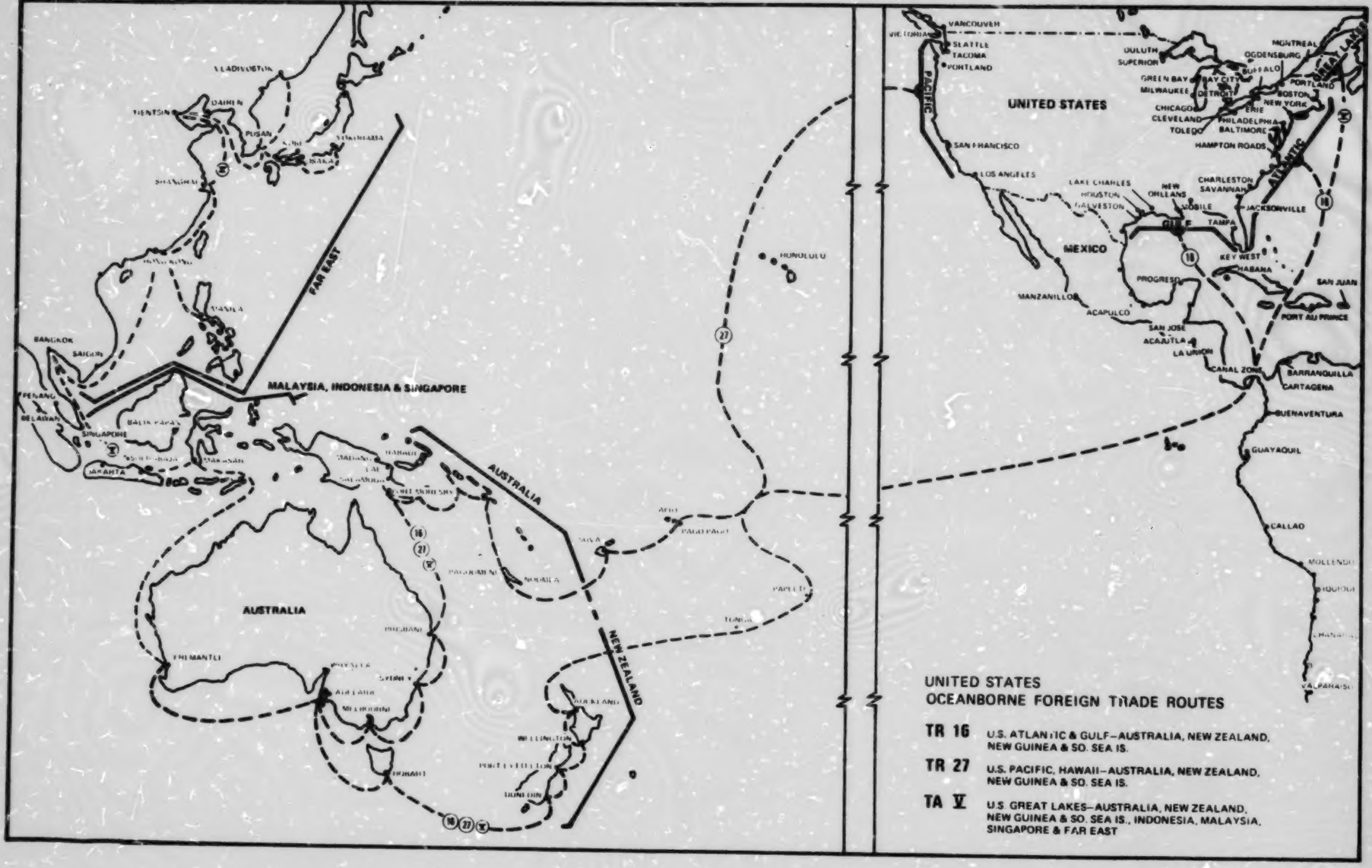

GREENLAND
EUROPE
HUDSON BAY
CANADA
UNITED STATES
PACIFIC
SEATTLE
TACOMA
PORTLAND
SAN FRANCISCO
LOS ANGELES
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
CHICAGO
DETROIT
BAY CITY
CLEVELAND
TOLEDO
TORONTO
BUFFALO
ERIE
OGDENSBURG
BOSTON
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
CHARLESTON
SAVANNAH
JACKSONVILLE
TAMPA
NEW ORLEANS
MOBILE
HOUSTON
GALVESTON
GULF
ATLANTIC
GREAT LAKES
MEXICO
CANAL ZONE
MADEIRA ISLAND
CAPE VERDE ISLAND
BATHURST
CONAKRY
WEST AFRICA
WEST AFRICA
AFRICA
RIO BENITO
LOBITO
WALVIS BAY
LUDERITZ
DURBAN
LOURENCO MARQUES
BEIRA
MOMBASA
ZANZIBAR
COMORO ISLANDS
SOMALI
CAPE GUARDAFUI
MALAGASY REPUBLIC
SOUTH AND EAST AFRICA
41
42
43
51
52
53
II

UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES

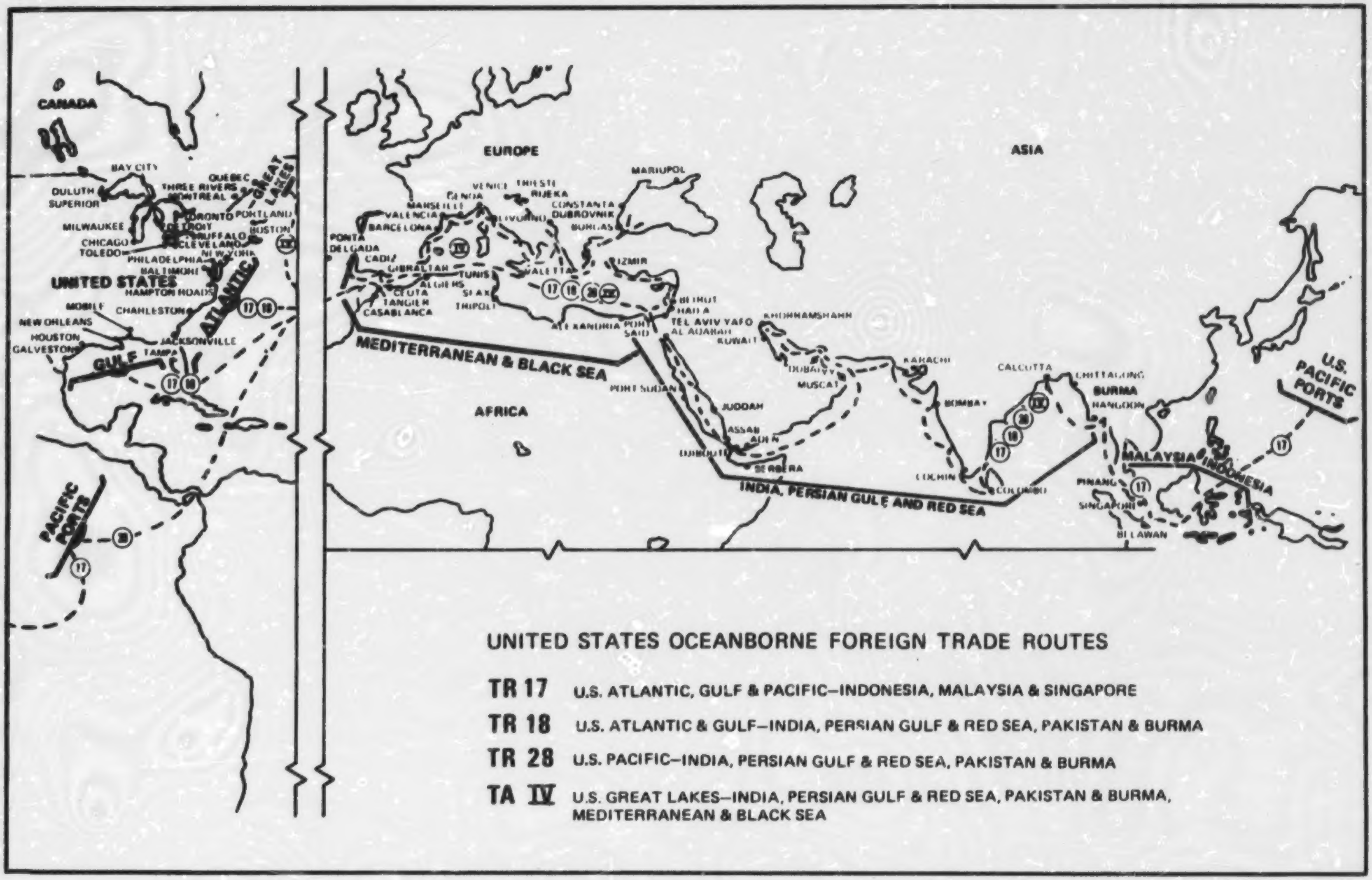
| | |
|---|---|
| **TR 41** * | U.S. ATLANTIC–WEST AFRICA/CANARY, CAPE VERDE & MADEIRA ISLANDS |
| **TR 42** * | U.S GULF–WEST AFRICA/CANARY, CAPE VERDE & MADEIRA ISLANDS |
| **TR 43** | U.S. PACIFIC–WEST AFRICA/CANARY, CAPE VERDE & MADEIRA ISLANDS |
| **TR 51** * | U.S. ATLANTIC–SOUTH & EAST AFRICA, MALAGASY REPUBLIC, BRITISH WEST AFRICA, ST. HELENA & ASCENSION ISLAND |
| **TR 52** * | U.S. GULF–SOUTH & EAST AFRICA, MALAGASY REPUBLIC, BRITISH WEST AFRICA, ST. HELENA & ASCENSION ISLAND |
| **TR 53** | U.S. PACIFIC–SOUTH & EAST AFRICA, MALAGASY REPUBLIC, BRITISH WEST AFRICA, ST. HELENA & ASCENSION ISLAND |
| **TA II** | U.S. GREAT LAKES–WEST AFRICA/CANARY, CAPE VERDE & MADEIRA ISLANDS-SOUTH & EAST AFRICA, MALAGASY REPUBLIC, BRITISH WEST AFRICA, ST. HELENA & ASCENSION ISLAND |

*ESSENTIAL TRADE ROUTE DESIGNATIONS: 41 (14-1) 42 (14-2) 51 (15-A) 52 (15-B)

MAP H U.S. Coasts, Hawaii and Alaska/ Australia and Oceana


VLADIVOSTOK
TIENTSIN
DAIREN
PUSAN
KOBE
YOKOHAMA
OSAKA
SHANGHAI
FAR EAST
HONG KONG
MANILA
BANGKOK
SAIGON
PENANG
BELAWAN
MALAYSIA, INDONESIA & SINGAPORE
SINGAPORE
BALIKPAPAN
JAKARTA
MAKASSAR
MADANG
LAE
SALAMAUA
RABAUL
PORT MORESBY
AUSTRALIA
AUSTRALIA
FREMANTLE
BRISBANE
NEWCASTLE
SYDNEY
ADELAIDE
MELBOURNE
HOBART
NOUMEA
SUVA
APIA
PAGO PAGO
PAPEETE
TONGA
NEW ZEALAND
AUCKLAND
WELLINGTON
PORT LYTTELTON
DUNEDIN
HONOLULU
16
27
V
VANCOUVER
VICTORIA
SEATTLE
TACOMA
PORTLAND
PACIFIC
UNITED STATES
SAN FRANCISCO
LOS ANGELES
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
BAY CITY
DETROIT
CHICAGO
CLEVELAND
TOLEDO
ERIE
BUFFALO
OGDENSBURG
MONTREAL
GREAT LAKES
PORTLAND
BOSTON
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
ATLANTIC
CHARLESTON
SAVANNAH
JACKSONVILLE
LAKE CHARLES
HOUSTON
GALVESTON
NEW ORLEANS
MOBILE
TAMPA
GULF
KEY WEST
MEXICO
PROGRESO
HABANA
SAN JUAN
PORT AU PRINCE
MANZANILLO
ACAPULCO
SAN JOSE
ACAJUTLA
LA UNION
CANAL ZONE
BARRANQUILLA
CARTAGENA
BUENAVENTURA
GUAYAQUIL
CALLAO
MOLLENDO
IQUIQUE
CHANARAL
VALPARAISO
UNITED STATES
OCEANBORNE FOREIGN TRADE ROUTES
TR 16 U.S. ATLANTIC & GULF–AUSTRALIA, NEW ZEALAND, NEW GUINEA & SO. SEA IS.
TR 27 U.S. PACIFIC, HAWAII–AUSTRALIA, NEW ZEALAND, NEW GUINEA & SO. SEA IS.
TA V U.S. GREAT LAKES–AUSTRALIA, NEW ZEALAND, NEW GUINEA & SO. SEA IS., INDONESIA, MALAYSIA, SINGAPORE & FAR EAST

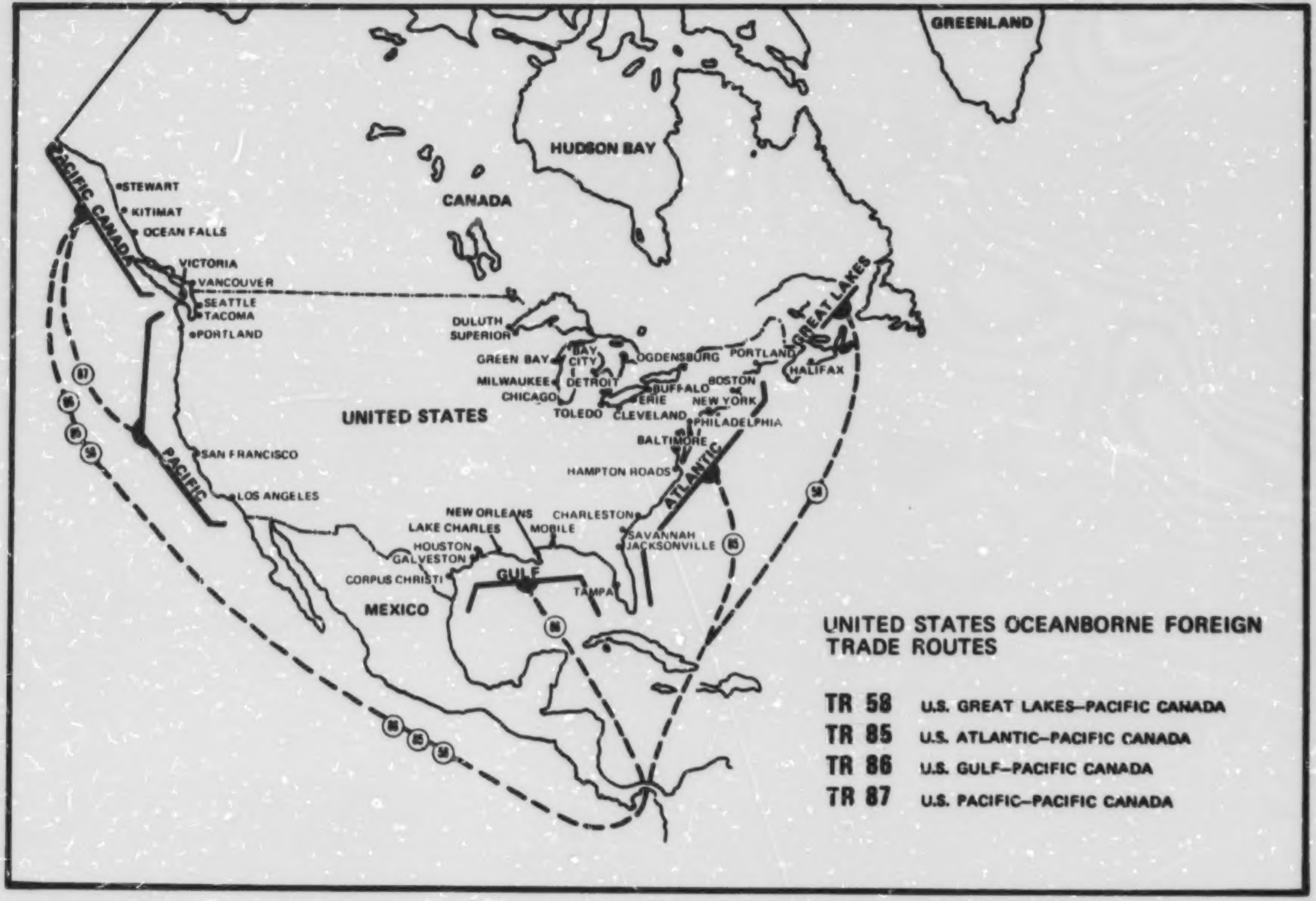
MAP I  U.S. Coasts/Indonesia, Malaysia,Singapore and Persian Gulf through Burma


CANADA
BAY CITY
DULUTH
SUPERIOR
THREE RIVERS
QUEBEC
MONTREAL
MILWAUKEE
TORONTO
DETROIT
PORTLAND
BOSTON
CHICAGO
TOLEDO
BUFFALO
CLEVELAND
NEW YORK
PHILADELPHIA
BALTIMORE
UNITED STATES
HAMPTON ROADS
GREAT LAKES
ATLANTIC
MOBILE
CHARLESTON
NEW ORLEANS
HOUSTON
GALVESTON
JACKSONVILLE
TAMPA
GULF
PACIFIC PORTS
EUROPE
ASIA
MARIUPOL
VENICE
TRIESTE
RIJEKA
GENOA
MARSEILLE
VALENCIA
BARCELONA
LIVORNO
CONSTANTA
DUBROVNIK
BURGAS
PONTA DELGADA
CADIZ
GIBRALTAR
ALGIERS
TUNIS
VALETTA
IZMIR
CEUTA
TANGIER
CASABLANCA
SFAX
TRIPOLI
BEIRUT
HAIFA
TEL AVIV YAFO
AL AQABAH
ALEXANDRIA
PORT SAID
KHORRAMSHAHR
KUWAIT
MEDITERRANEAN & BLACK SEA
AFRICA
PORT SUDAN
JUDDAH
ASSAB
ADEN
DJIBOUTI
BERBERA
DUBAI
MUSCAT
KARACHI
BOMBAY
COCHIN
COLOMBO
CALCUTTA
CHITTAGONG
BURMA
RANGOON
INDIA, PERSIAN GULF AND RED SEA
MALAYSIA
INDONESIA
PINANG
SINGAPORE
BELAWAN
U.S. PACIFIC PORTS
17
18
28
IV

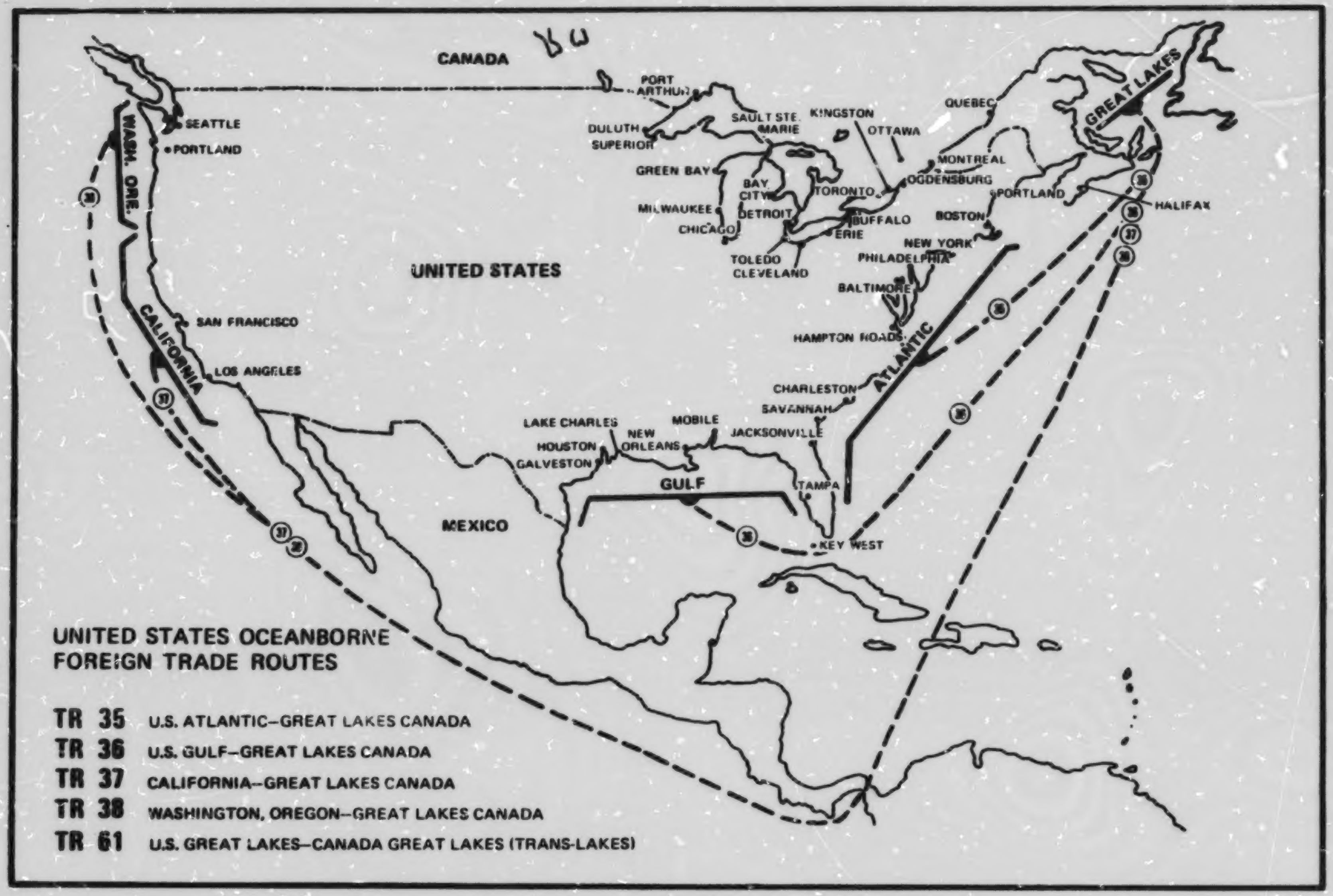
## UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES

| | |
|---|---|
| **TR 17** | U.S. ATLANTIC, GULF & PACIFIC–INDONESIA, MALAYSIA & SINGAPORE |
| **TR 18** | U.S. ATLANTIC & GULF–INDIA, PERSIAN GULF & RED SEA, PAKISTAN & BURMA |
| **TR 28** | U.S. PACIFIC–INDIA, PERSIAN GULF & RED SEA, PAKISTAN & BURMA |
| **TA IV** | U.S. GREAT LAKES–INDIA, PERSIAN GULF & RED SEA, PAKISTAN & BURMA, MEDITERRANEAN & BLACK SEA |

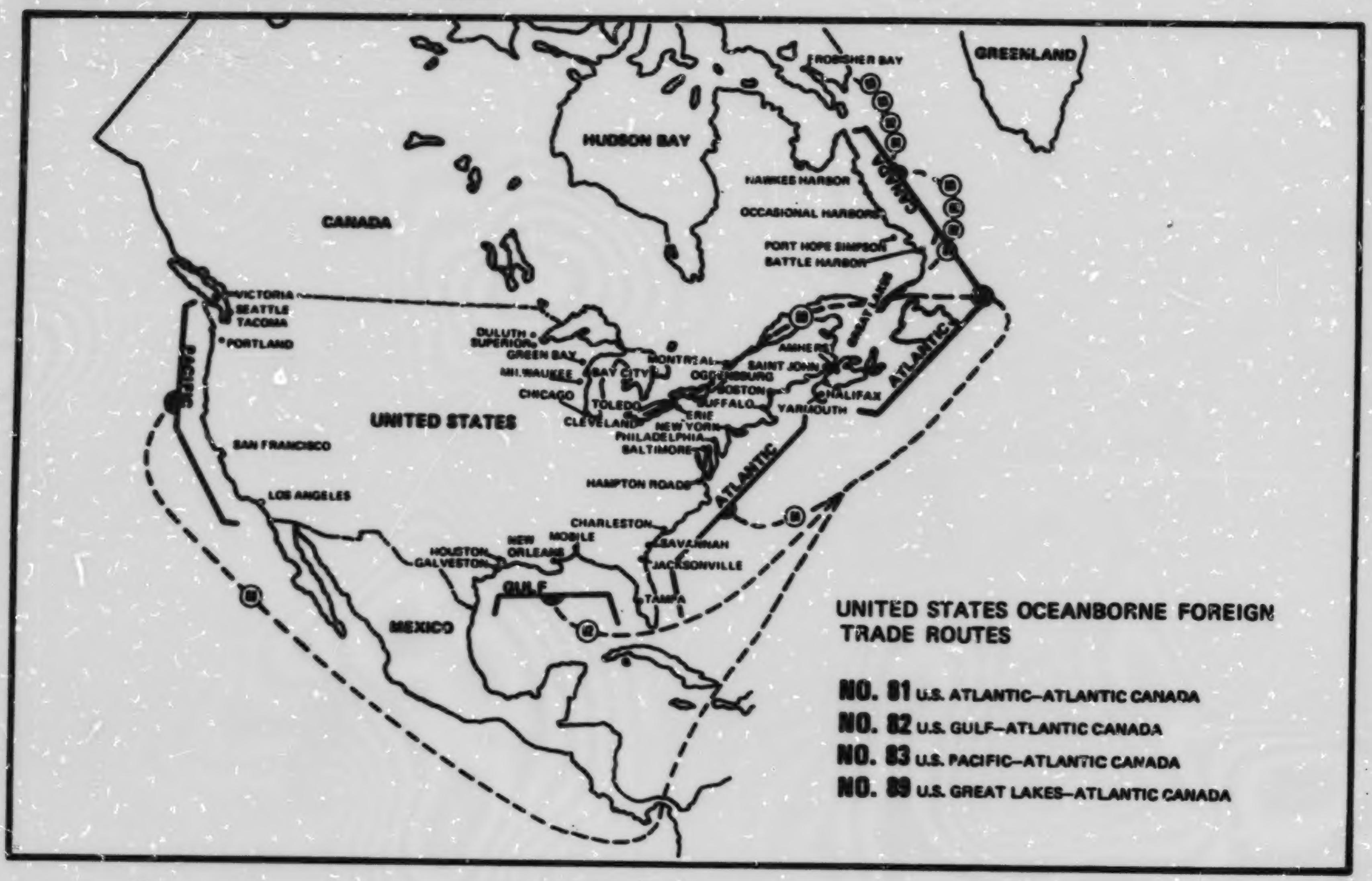
MAP J U.S. Coasts/Pacific Canada


GREENLAND
HUDSON BAY
CANADA
PACIFIC CANADA
STEWART
KITIMAT
OCEAN FALLS
VICTORIA
VANCOUVER
SEATTLE
TACOMA
PORTLAND
DULUTH
SUPERIOR
GREEN BAY
BAY CITY
OGDENSBURG
PORTLAND
GREAT LAKES
HALIFAX
MILWAUKEE
DETROIT
CHICAGO
BUFFALO
BOSTON
ERIE
NEW YORK
TOLEDO
CLEVELAND
PHILADELPHIA
UNITED STATES
BALTIMORE
HAMPTON ROADS
ATLANTIC
PACIFIC
SAN FRANCISCO
LOS ANGELES
NEW ORLEANS
CHARLESTON
LAKE CHARLES
MOBILE
SAVANNAH
JACKSONVILLE
HOUSTON
GALVESTON
CORPUS CHRISTI
GULF
TAMPA
MEXICO
87
86
85
58
UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
TR 58 U.S. GREAT LAKES–PACIFIC CANADA
TR 85 U.S. ATLANTIC–PACIFIC CANADA
TR 86 U.S. GULF–PACIFIC CANADA
TR 87 U.S. PACIFIC–PACIFIC CANADA

MAP K  U.S. Coasts/Canadian Great Lakes


CANADA
PORT ARTHUR
DULUTH
SUPERIOR
SAULT STE. MARIE
KINGSTON
OTTAWA
QUEBEC
GREAT LAKES
MONTREAL
OGDENSBURG
GREEN BAY
BAY CITY
TORONTO
PORTLAND
HALIFAX
MILWAUKEE
CHICAGO
DETROIT
BUFFALO
ERIE
BOSTON
NEW YORK
TOLEDO
CLEVELAND
PHILADELPHIA
BALTIMORE
UNITED STATES
SEATTLE
PORTLAND
WASH. ORE.
SAN FRANCISCO
CALIFORNIA
LOS ANGELES
HAMPTON ROADS
ATLANTIC
CHARLESTON
SAVANNAH
JACKSONVILLE
LAKE CHARLES
MOBILE
NEW ORLEANS
HOUSTON
GALVESTON
GULF
TAMPA
KEY WEST
MEXICO
35
36
37
38
UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
TR 35 U.S. ATLANTIC–GREAT LAKES CANADA
TR 36 U.S. GULF–GREAT LAKES CANADA
TR 37 CALIFORNIA–GREAT LAKES CANADA
TR 38 WASHINGTON, OREGON–GREAT LAKES CANADA
TR 61 U.S. GREAT LAKES–CANADA GREAT LAKES (TRANS-LAKES)

MAP L U.S. Coasts/Atlantic Canada


GREENLAND
FROBISHER BAY
HUDSON BAY
CANADA
HAWKES HARBOR
OCCASIONAL HARBORS
PORT HOPE SIMPSON
BATTLE HARBOR
CANADA
GREAT LAKES
ATLANTIC
VICTORIA
SEATTLE
TACOMA
PORTLAND
PACIFIC
DULUTH
SUPERIOR
GREEN BAY
MILWAUKEE
BAY CITY
CHICAGO
TOLEDO
CLEVELAND
MONTREAL
OGDENSBURG
BOSTON
BUFFALO
ERIE
NEW YORK
PHILADELPHIA
BALTIMORE
HAMPTON ROADS
AMHERST
SAINT JOHN
HALIFAX
YARMOUTH
UNITED STATES
SAN FRANCISCO
LOS ANGELES
ATLANTIC
CHARLESTON
SAVANNAH
JACKSONVILLE
TAMPA
HOUSTON
GALVESTON
NEW ORLEANS
MOBILE
GULF
MEXICO
UNITED STATES OCEANBORNE FOREIGN TRADE ROUTES
NO. 81 U.S. ATLANTIC–ATLANTIC CANADA
NO. 82 U.S. GULF–ATLANTIC CANADA
NO. 83 U.S. PACIFIC–ATLANTIC CANADA
NO. 89 U.S. GREAT LAKES–ATLANTIC CANADA

# PART II

# ESSENTIAL TRADE ROUTES

TRADE ROUTE 01 ATL./E. COAST S. AMERICA

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 51 | ORGANIC CHEMICALS | 24,180 | $77,068,911 | 07 | COFFEE,COCOA,TEA&SPICES | 219,236 | $512,646,483 |
| 59 | CHEMICAL PROD & MATERIAL | 21,768 | $84,049,787 | 05 | FRUIT AND VEGETABLES | 60,429 | $92,591,142 |
| 58 | SYN RESINS,CELLU&PLASTIC | 20,767 | $62,270,802 | 71 | POWER GENERATING MACH | 60,325 | $249,623,773 |
| 27 | CRUDE FERTILIZER&MINERAL | 15,392 | $7,092,320 | 67 | IRON AND STEEL | 48,268 | $31,924,178 |
| 52 | INORGANIC CHEMICALS | 14,042 | $20,759,608 | 12 | TOBACCO & TOBACCO PRODS | 45,288 | $119,404,213 |
| 66 | NONMETALLIC MINERAL MANU | 13,868 | $27,903,323 | 78 | ROAD VEHICLES & PARTS | 40,850 | $70,052,409 |
| 67 | IRON AND STEEL | 12,956 | $12,396,636 | 06 | SUGAR,MOLASSES,& HONEY | 39,177 | $21,140,663 |
| 64 | PAPER,PAPERBOARD & MANUF | 11,869 | $23,429,257 | 64 | PAPER,PAPERBOARD & MANUF | 39,156 | $14,696,307 |
| 77 | ELEC MACH,APPAR & APPL | 11,365 | $53,174,327 | 01 | MEAT & MEAT PREPARATIONS | 35,313 | $72,772,640 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 10,042 | $24,648,127 | 58 | SYN RESINS,CELLU&PLASTIC | 30,677 | $20,878,655 |
| | ALL OTHER COMMODITIES | 96,761 | $585,309,496 | | ALL OTHER COMMODITIES | 335,374 | $1,063,769,709 |

TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 253,010 | $979,302,594 | 107,736 | $416,996,285 |
| IMPORTS | 954,093 | $2,269,500,172 | 283,384 | $763,131,372 |
| TOTAL I/O | 1,207,103 | $3,248,802,766 | 391,120 | $1,180,127,657 |

## TRADE ROUTE 01 ATL./E. COAST S. AMERICA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 12,644 | $1,156,273 | 33 | PETROLEUM&PETROLEUM PROD | 3,207,956 | $660,758,190 |
| 59 | CHEMICAL PROD & MATERIAL | 1,972 | $3,504,912 | 51 | ORGANIC CHEMICALS | 28,033 | $12,818,118 |
| 77 | ELEC MACH,APPAR & APPL | 120 | $285,420 | 06 | SUGAR,MOLASSES,& HONEY | 21,981 | $1,585,053 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 56 | $88,296 | 52 | INORGANIC CHEMICALS | 3,081 | $416,935 |
| 61 | LEATHER,MANUF FUR&LEATHR | 54 | $194,109 | 67 | IRON AND STEEL | 291 | $65,089 |
| 78 | ROAD VEHICLES & PARTS | 46 | $565,551 | 03 | FISH & FISH PREPARATIONS | 26 | $70,798 |
| 58 | SYN RESINS,CELLU&PLASTIC | 45 | $175,119 | 85 | FOOTWARE-NEW | 13 | $94,985 |
| 51 | ORGANIC CHEMICALS | 38 | $71,929 | 93 | SPECIAL TRANSACTIONS NEC | 10 | $11,332 |
| 74 | GENERAL IND MACH & EQUIP | 31 | $119,909 | | | | |
| 27 | CRUDE FERTILIZER&MINERAL | 19 | $21,789 | | | | |
| | ALL OTHER COMMODITIES | 35 | $187,521 | | | | |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 15,060 | $6,370,828 | 0 | $0 |
| IMPORTS | 3,261,391 | $675,820,500 | 39,383 | $11,504,063 |
| TOTAL I/O | 3,276,451 | $682,191,328 | 39,383 | $11,504,063 |

## TRADE ROUTE 01 ATL./E. COAST S. AMERICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS |  |  |  | IMPORTS |  |  |  |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 3,118,879 | $198,544,634 | 28 | METALLIFEROUS ORE&SCRAPS | 497,956 | $13,365,987 |
| 56 | MANUF FERTIL & MATERIALS | 192,456 | $13,960,244 | 06 | SUGAR,MOLASSES,& HONEY | 400,636 | $136,439,551 |
| 04 | CEREALS & CEREAL PREPS | 25,820 | $3,781,331 | 67 | IRON AND STEEL | 283,727 | $83,623,846 |
| 24 | WOOD,LUMBER AND CORK | 14,751 | $4,876,000 | 27 | CRUDE FERTILIZER&MINERAL | 148,910 | $1,698,080 |
| 27 | CRUDE FERTILIZER&MINERAL | 5,987 | $268,381 | 05 | FRUIT AND VEGETABLES | 124,619 | $126,577,672 |
| 59 | CHEMICAL PROD & MATERIAL | 2,047 | $3,381,902 | 25 | PULP AND WASTEPAPER | 88,052 | $30,536,561 |
| 66 | NONMETALLIC MINERAL MANU | 559 | $782,020 | 24 | WOOD,LUMBER AND CORK | 55,105 | $11,978,090 |
| 67 | IRON AND STEEL | 256 | $171,737 | 07 | COFFEE,COCOA,TEA&SPICES | 15,805 | $42,583,957 |
| 05 | FRUIT AND VEGETABLES | 255 | $295,218 | 03 | FISH & FISH PREPARATIONS | 13,504 | $25,562,912 |
| 52 | INORGANIC CHEMICALS | 226 | $383,334 | 63 | WOOD AND CORK MANUF | 12,197 | $4,951,701 |
|  | ALL OTHER COMMODITIES | 2,441 | $12,164,074 |  | ALL OTHER COMMODITIES | 45,194 | $79,015,573 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,363,677 | $238,608,875 | 117 | $443,466 |
| IMPORTS | 1,685,705 | $556,333,930 | 29,779 | $11,990,516 |
| TOTAL I/O | 5,049,382 | $794,942,805 | 29,896 | $12,433,982 |

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## TRADE ROUTE 01

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,631,747 | $1,224,282,297 | 107,853 | $417,439,751 |
| IMPORTS | 5,901,189 | $3,501,654,602 | 352,546 | $786,625,951 |
| TOTAL I/O | 9,532,936 | $4,725,936,899 | 460,399 | $1,204,065,702 |

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# TRADE ROUTE 02 ATL./W. COAST S. AMERICA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 58 | SYN RESINS,CELLU&PLASTIC | 23,990 | $37,534,128 | 05 | FRUIT AND VEGETABLES | 212,374 | $58,695,388 |
| 27 | CRUDE FERTILIZER&MINERAL | 20,886 | $3,595,142 | 68 | NONFERROUS METALS | 195,539 | $321,323,635 |
| 52 | INORGANIC CHEMICALS | 19,438 | $15,661,496 | 07 | COFFEE,COCOA,TEA&SPICES | 121,291 | $296,217,329 |
| 64 | PAPER,PAPERBOARD & MANUF | 17,285 | $17,429,426 | 03 | FISH & FISH PREPARATIONS | 32,266 | $207,301,937 |
| 78 | ROAD VEHICLES & PARTS | 14,546 | $62,212,160 | 33 | PETROLEUM&PETROLEUM PROD | 11,090 | $1,740,391 |
| 56 | MANUF FERTIL & MATERIALS | 12,592 | $1,059,468 | 65 | TEXTILE YARN,FABRIC&PROD | 9,768 | $27,128,018 |
| 59 | CHEMICAL PROD & MATERIAL | 11,717 | $29,189,577 | 52 | INORGANIC CHEMICALS | 9,078 | $13,192,114 |
| 25 | PULP AND WASTEPAPER | 11,380 | $4,578,462 | 28 | METALLIFEROUS ORE&SCRAPS | 6,433 | $20,500,164 |
| 51 | ORGANIC CHEMICALS | 9,969 | $24,153,905 | 64 | PAPER,PAPERBOARD & MANUF | 5,982 | $1,527,079 |
| 72 | MACH FOR SPECIALIZED INDU | 9,542 | $88,509,101 | 29 | ANIMAL&VEGETA MATERIALS | 5,302 | $6,962,544 |
| | ALL OTHER COMMODITIES | 128,996 | $425,808,630 | | ALL OTHER COMMODITIES | 41,212 | $65,199,181 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 280,341 | $709,711,395 | 87,307 | $230,697,498 |
| IMPORTS | 650,335 | $1,019,587,580 | 123,048 | $297,553,555 |
| TOTAL I/O | 930,676 | $1,729,298,975 | 210,355 | $528,251,053 |

TRADE ROUTE 02 ATL./W. COAST S. AMERICA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 42 | VEGETABLE OILS & FATS | 22,108 | $11,409,888 |
| 33 | PETROLEUM&PETROLEUM PROD | 2,566 | $1,129,377 |
| 65 | TEXTILE YARN,FABRIC&PROD | 12 | $67,758 |
| 59 | CHEMICAL PROD & MATERIAL | 9 | $28,332 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 6 | $76,297 |
| 51 | ORGANIC CHEMICALS | 1 | $1,132 |
| 69 | MANUFACTURES OF METAL | 1 | $10,400 |
| 82 | FURNITURE | | $1,000 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 1,528,401 | $269,116,456 |
| 06 | SUGAR,MOLASSES,& HONEY | 78,910 | $3,770,630 |
| 07 | COFFEE,COCOA,TEA&SPICES | 158 | $311,644 |
| 05 | FRUIT AND VEGETABLES | 110 | $107,498 |
| 93 | SPECIAL TRANSACTIONS NEC | 5 | $5,096 |
| 71 | POWER GENERATING MACH | | $300 |

TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 24,703 | $12,724,184 | 0 | $0 |
| IMPORTS | 1,607,584 | $273,311,624 | 106 | $168,644 |
| TOTAL I/O | 1,632,287 | $286,035,808 | 106 | $168,644 |

## TRADE ROUTE 02 ATL./W. COAST S. AMERICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 226,240 | $11,232,449 | 27 | CRUDE FERTILIZER&MINERAL | 226,432 | $7,937,566 |
| 28 | METALLIFEROUS ORE&SCRAPS | 49,217 | $4,025,063 | 05 | FRUIT AND VEGETABLES | 220,779 | $107,128,583 |
| 64 | PAPER,PAPERBOARD & MANUF | 34,250 | $12,073,065 | 68 | NONFERROUS METALS | 138,957 | $209,494,381 |
| 04 | CEREALS & CEREAL PREPS | 16,483 | $2,634,407 | 06 | SUGAR,MOLASSES,& HONEY | 92,531 | $41,916,614 |
| 56 | MANUF FERTIL & MATERIALS | 16,046 | $2,673,516 | 56 | MANUF FERTIL & MATERIALS | 16,560 | $2,209,255 |
| 06 | SUGAR,MOLASSES,& HONEY | 12,513 | $2,320,000 | 33 | PETROLEUM&PETROLEUM PROD | 11,081 | $1,700,335 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,735 | $150,907 | 08 | FEED-STUFF FOR ANIMALS | 7,259 | $2,446,570 |
| 25 | PULP AND WASTEPAPER | 1,540 | $624,325 | 07 | COFFEE,COCOA,TEA&SPICES | 4,201 | $10,631,634 |
| 78 | ROAD VEHICLES & PARTS | 560 | $3,308,381 | 28 | METALLIFEROUS ORE&SCRAPS | 3,573 | $6,589,488 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 452 | $188,260 | 25 | PULP AND WASTEPAPER | 2,980 | $873,358 |
| | ALL OTHER COMMODITIES | 3,618 | $15,539,418 | | ALL OTHER COMMODITIES | 11,260 | $23,815,973 |

## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 365,654 | $54,969,791 | 0 | $0 |
| IMPORTS | 735,612 | $414,943,757 | 4,541 | $15,443,205 |
| TOTAL I/O | 1,101,266 | $469,913,548 | 4,541 | $15,443,205 |

## TRADE ROUTE 02

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 670,698 | $777,405,370 | 87,307 | $250,697,498 |
| IMPORTS | 2,993,531 | $1,707,842,961 | 127,695 | $313,165,404 |
| TOTAL I/O | 3,664,229 | $2,485,248,331 | 215,002 | $543,862,902 |

## TRADE ROUTE U4 ATL./CARIBBEAN

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 64 | PAPER,PAPERBOARD & MANUF | 94,797 | $102,285,005 | 05 | FRUIT AND VEGETABLES | 253,565 | $104,076,130 |
| 05 | FRUIT AND VEGETABLES | 76,574 | $62,349,371 | 07 | COFFEE,COCOA,TEA&SPICES | 97,678 | $252,525,552 |
| 78 | ROAD VEHICLES & PARTS | 75,381 | $378,587,685 | 33 | PETROLEUM&PETROLEUM PROD | 35,956 | $7,889,711 |
| 66 | NONMETALLIC MINERAL MANU | 64,737 | $79,417,613 | 01 | MEAT & MEAT PREPARATIONS | 32,466 | $75,420,689 |
| 08 | FEED-STUFF FOR ANIMALS | 57,671 | $19,185,432 | 06 | SUGAR,MOLASSES,& HONEY | 23,452 | $9,445,216 |
| 58 | SYN RESINS,CELLU&PLASTIC | 57,267 | $109,796,771 | 68 | NONFERROUS METALS | 10,033 | $15,999,699 |
| 01 | MEAT & MEAT PREPARATIONS | 56,784 | $85,814,067 | 12 | TOBACCO & TOBACCO PRODS | 9,139 | $41,717,022 |
| 04 | CEREALS & CEREAL PREPS | 51,158 | $40,957,099 | 28 | METALLIFEROUS ORES&SCRAPS | 8,764 | $11,766,823 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 48,811 | $151,966,219 | 03 | FISH & FISH PREPARATIONS | 7,707 | $54,210,420 |
| 52 | INORGANIC CHEMICALS | 40,764 | $36,760,722 | 24 | WOOD,LUMBER AND CORK | 7,311 | $1,993,988 |
| | ALL OTHER COMMODITIES | 675,149 | $2,142,780,648 | | ALL OTHER COMMODITIES | 95,103 | $399,919,659 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 1,299,093 | $3,210,100,632 | 238,634 | $596,798,660 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 581,104 | $974,962,909 | 115,262 | $271,608,370 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,880,197 | $4,185,063,541 | 353,896 | $868,407,030 |

TRADE ROUTE 04 ATL./CARIBBEAN

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 232,350 | $43,819,328 | 33 | PETROLEUM&PETROLEUM PROD | 44,353,532 | $9,148,790,702 |
| 52 | INORGANIC CHEMICALS | 23,664 | $5,447,351 | 52 | INORGANIC CHEMICALS | 262,270 | $35,918,963 |
| 41 | ANIMAL OILS AND FATS | 9,437 | $4,361,218 | 06 | SUGAR,MOLASSES,& HONEY | 106,315 | $6,221,477 |
| 42 | VEGETABLE OILS & FATS | 9,217 | $4,372,426 | 66 | NONMETALLIC MINERAL MANU | 80,404 | $861,403 |
| 64 | PAPER,PAPERBOARD & MANUF | 8,578 | $2,465,036 | 59 | CHEMICAL PROD & MATERIAL | 60,652 | $20,107,973 |
| 06 | SUGAR,MOLASSES,& HONEY | 5,101 | $902,434 | 93 | SPECIAL TRANSACTIONS NEC | 47,748 | $9,007,692 |
| 59 | CHEMICAL PROD & MATERIAL | 3,155 | $2,926,962 | 27 | CRUDE FERTILIZER&MINERAL | 13,410 | $1,541,404 |
| 34 | GAS-NATURAL & MANUF | 2,447 | $732,095 | 51 | ORGANIC CHEMICALS | 5,271 | $1,739,627 |
| 24 | WOOD,LUMBER AND CORK | 2,360 | $571,500 | 05 | FRUIT AND VEGETABLES | 1,305 | $1,256,682 |
| 66 | NONMETALLIC MINERAL MANU | 2,282 | $437,900 | 68 | NONFERROUS METALS | 740 | $564,390 |
| | ALL OTHER COMMODITIES | 2,972 | $2,132,012 | | ALL OTHER COMMODITIES | 624 | $1,578,422 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 301,563 | $68,150,262 | 2,411 | $243,000 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 44,932,271 | $9,227,588,735 | 815,572 | $166,317,218 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 45,233,834 | $9,295,738,997 | 817,983 | $166,560,218 |

## TRADE ROUTE 04 ATL./CARIBBEAN

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 113,779 | $11,478,496 | 28 | METALLIFEROUS ORE&SCRAPS | 1,926,416 | $134,231,468 |
| 27 | CRUDE FERTILIZER&MINERAL | 100,640 | $3,973,510 | 27 | CRUDE FERTILIZER&MINERAL | 1,788,147 | $12,912,506 |
| 64 | PAPER,PAPERBOARD & MANUF | 99,954 | $52,364,196 | 05 | FRUIT AND VEGETABLES | 623,308 | $139,187,234 |
| 08 | FEED-STUFF FOR ANIMALS | 97,897 | $27,432,977 | 06 | SUGAR,MOLASSES,& HONEY | 419,415 | $167,321,967 |
| 04 | CEREALS & CEREAL PREPS | 85,077 | $25,261,388 | 66 | NONMETALLIC MINERAL MANU | 318,700 | $11,465,999 |
| 24 | WOOD,LUMBER AND CORK | 70,348 | $25,064,738 | 56 | MANUF FERTIL & MATERIALS | 72,699 | $8,730,114 |
| 66 | NONMETALLIC MINERAL MANU | 43,601 | $26,355,693 | 67 | IRON AND STEEL | 48,467 | $32,982,658 |
| 25 | PULP AND WASTEPAPER | 34,875 | $7,623,023 | 68 | NONFERROUS METALS | 26,396 | $36,754,374 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 32,957 | $33,306,975 | 07 | COFFEE,COCOA,TEA&SPICES | 25,304 | $56,510,249 |
| 05 | FRUIT AND VEGETABLES | 30,709 | $20,677,070 | 24 | WOOD,LUMBER AND CORK | 17,189 | $1,937,899 |
| | ALL OTHER COMMODITIES | 405,006 | $992,593,391 | | ALL OTHER COMMODITIES | 36,923 | $142,570,158 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,114,843 | $1,226,111,457 | 30,957 | $52,341,590 |
| IMPORTS | 5,302,964 | $744,604,626 | 3,296 | $7,083,878 |
| TOTAL I/O | 6,417,807 | $1,970,716,083 | 34,253 | $59,425,468 |

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### TRADE ROUTE 04

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,715,499 | $4,504,362,351 | 271,992 | $649,383,250 |
| IMPORTS | 50,816,339 | $10,947,156,270 | 934,130 | $445,009,466 |
| TOTAL I/O | 53,531,838 | $15,451,518,621 | 1,206,122 | $1,094,392,716 |

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## TRADE ROUTE 5-7-8-9 N.ATL/U.K. & CONTINENTAL EUROPE

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 24 | WOOD,LUMBER AND CORK | 212,555 | $107,455,871 | 11 | ALCOHOLIC & NON,BEVERAGE | 770,313 | $846,881,973 |
| 58 | SYN RESINS,CELLU&PLASTIC | 134,545 | $424,526,896 | 66 | NONMETALLIC MINERAL MANU | 204,230 | $376,956,735 |
| 12 | TOBACCO & TOBACCO PRODS | 86,914 | $617,634,026 | 67 | IRON AND STEEL | 200,081 | $213,512,454 |
| 51 | ORGANIC CHEMICALS | 75,812 | $315,636,671 | 51 | ORGANIC CHEMICALS | 175,978 | $551,756,109 |
| 25 | PULP AND WASTEPAPER | 75,215 | $25,638,058 | 52 | INORGANIC CHEMICALS | 161,959 | $479,517,754 |
| 78 | ROAD VEHICLES & PARTS | 72,069 | $526,209,004 | 78 | ROAD VEHICLES & PARTS | 161,813 | $1,075,841,909 |
| 01 | MEAT & MEAT PREPARATIONS | 69,602 | $74,066,902 | 72 | MACH FOR SPECIALIZED INDU | 130,015 | $918,506,372 |
| 74 | GENERAL IND MACH & EQUIP | 64,184 | $590,390,526 | 69 | MANUFACTURES OF METAL | 121,977 | $391,548,474 |
| 72 | MACH FOR SPECIALIZED INDU | 64,107 | $510,602,030 | 68 | NONFERROUS METALS | 116,850 | $392,417,251 |
| 26 | TEXTILE FIBERS & WASTE | 51,762 | $115,604,681 | 64 | PAPER,PAPERBOARD & MANUF | 94,613 | $158,130,176 |
| | ALL OTHER COMMODITIES | 888,649 | $5,181,845,422 | | ALL OTHER COMMODITIES | 1,345,277 | $5,579,908,181 |

TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,795,414 | $8,489,610,087 | 383,280 | $1,660,665,479 |
| IMPORTS | 3,483,106 | $10,984,977,388 | 1,225,671 | $3,523,870,518 |
| TOTAL I/C | 5,278,520 | $19,474,587,475 | 1,608,951 | $5,184,535,997 |

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# TRADE ROUTE 5-7-8-9 N.ATL/U.K. & CONTINENTAL EUROPE

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 187,863 | $58,734,636 | 33 | PETROLEUM&PETROLEUM PROD | 12,990,898 | $3,011,064,090 |
| 51 | ORGANIC CHEMICALS | 57,446 | $23,064,014 | 51 | ORGANIC CHEMICALS | 200,210 | $123,701,195 |
| 41 | ANIMAL OILS AND FATS | 41,980 | $12,990,766 | 52 | INORGANIC CHEMICALS | 106,545 | $9,130,060 |
| 59 | CHEMICAL PROD & MATERIAL | 14,919 | $21,359,896 | 06 | SUGAR,MOLASSES,& HONEY | 92,039 | $8,021,899 |
| 34 | GAS-NATURAL & MANUF | 9,140 | $2,544,224 | 56 | MANUF FERTIL & MATERIALS | 57,568 | $9,616,578 |
| 29 | ANIMAL&VEGETA MATERIALS | 3,502 | $393,249 | 34 | GAS-NATURAL & MANUF | 27,470 | $8,636,750 |
| 42 | VEGETABLE OILS & FATS | 1,473 | $1,215,402 | 59 | CHEMICAL PROD & MATERIAL | 13,693 | $12,088,486 |
| 52 | INORGANIC CHEMICALS | 1,219 | $332,603 | 11 | ALCOHOLIC & NON,BEVERAGE | 7,181 | $10,085,299 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 705 | $344,126 | 42 | VEGETABLE OILS & FATS | 7,003 | $6,631,066 |
| 05 | FRUIT AND VEGETABLES | 231 | $114,953 | 93 | SPECIAL TRANSACTIONS NEC | 4,028 | $2,702,337 |
| | ALL OTHER COMMODITIES | 1,828 | $6,314,808 | | ALL OTHER COMMODITIES | 5,526 | $10,398,263 |

## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 320,306 | $127,908,677 | 1,697 | $3,578,597 |
| IMPORTS | 13,512,561 | $3,212,075,983 | 274,697 | $54,846,760 |
| TOTAL I/O | 13,832,867 | $3,339,984,660 | 276,394 | $58,425,357 |

## TRADE ROUTE 5-7-8-9 N.ATL/U.K. & CONTINENTAL EUROPE

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 32 | COAL,COKE AND BRIQUETS | 11,663,381 | $698,505,739 | 67 | IRON AND STEEL | 730,115 | $262,920,502 |
| 04 | CEREALS & CEREAL PREPS | 1,082,394 | $137,044,720 | 78 | ROAD VEHICLES & PARTS | 145,904 | $1,513,671,134 |
| 33 | PETROLEUM&PETROLEUM PROD | 254,434 | $7,959,541 | 56 | MANUF FERTIL & MATERIALS | 70,898 | $15,297,293 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 152,000 | $36,562,358 | 64 | PAPER,PAPERBOARD & MANUF | 44,096 | $21,155,517 |
| 08 | FEED-STUFF FOR ANIMALS | 123,189 | $23,313,817 | 68 | NONFERROUS METALS | 27,869 | $33,050,571 |
| 25 | PULP AND WASTEPAPER | 73,593 | $25,275,935 | 27 | CRUDE FERTILIZER&MINERAL | 26,991 | $7,217,957 |
| 28 | METALLIFEROUS ORE&SCRAPS | 16,550 | $1,489,316 | 66 | NONMETALLIC MINERAL MANU | 23,687 | $7,077,567 |
| 68 | NONFERROUS METALS | 5,692 | $8,455,601 | 11 | ALCOHOLIC & NON,BEVERAGE | 18,080 | $14,274,004 |
| 64 | PAPER,PAPERBOARD & MANUF | 5,067 | $1,831,757 | 52 | INORGANIC CHEMICALS | 13,414 | $4,053,598 |
| 29 | ANIMAL&VEGETA MATERIALS | 4,460 | $1,553,333 | 59 | CHEMICAL PROD & MATERIAL | 12,877 | $7,962,706 |
|  | ALL OTHER COMMODITIES | 11,035 | $29,929,990 |  | ALL OTHER COMMODITIES | 68,347 | $183,407,759 |

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 13,391,795 | $971,822,107 | 197,007 | $20,537,600 |
| IMPORTS | 1,182,278 | $2,070,088,608 | 1,622 | $1,729,982 |
| TOTAL I/O | 14,574,073 | $3,041,910,715 | 198,629 | $22,267,582 |

### TRADE ROUTE 05

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 15,507,515 | $9,589,340,871 | 581,984 | $1,684,781,676 |
| IMPORTS | 18,177,945 | $16,267,141,979 | 1,501,990 | $3,580,447,260 |
| TOTAL I/C | 33,685,460 | $25,856,482,850 | 2,083,974 | $5,265,228,936 |

## TRADE ROUTE 06 N. ATL./SCANDINAVIA & BALTIC

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 02 | DAIRY PRODUCTS AND EGGS | 24,940 | $25,323,629 | 03 | FISH & FISH PREPARATIONS | 89,449 | $242,528,332 |
| 05 | FRUIT AND VEGETABLES | 13,576 | $8,929,750 | 67 | IRON AND STEEL | 73,966 | $101,136,096 |
| 04 | CEREALS & CEREAL PREPS | 8,827 | $5,234,384 | 64 | PAPER,PAPERBOARD & MANUF | 47,131 | $36,942,312 |
| 78 | ROAD VEHICLES & PARTS | 8,593 | $64,476,414 | 01 | MEAT & MEAT PREPARATIONS | 38,335 | $104,770,306 |
| 12 | TOBACCO & TOBACCO PRODS | 6,460 | $44,918,918 | 78 | ROAD VEHICLES & PARTS | 33,919 | $258,054,996 |
| 77 | ELEC MACH,APPAR & APPL | 6,300 | $20,823,466 | 68 | NONFERROUS METALS | 18,251 | $44,111,615 |
| 93 | SPECIAL TRANSACTIONS NEC | 6,281 | $36,256,690 | 02 | DAIRY PRODUCTS AND EGGS | 14,111 | $57,649,805 |
| 09 | MISC FOOD PREPARATIONS | 5,628 | $7,952,281 | 74 | GENERAL IND MACH & EQUIP | 13,580 | $87,003,981 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 5,037 | $4,977,999 | 52 | INORGANIC CHEMICALS | 13,178 | $15,479,657 |
| 72 | MACH FOR SPECIALIZED INDU | 4,843 | $39,783,803 | 69 | MANUFACTURES OF METAL | 10,123 | $28,668,032 |
| | ALL OTHER COMMODITIES | 80,076 | $568,167,012 | | ALL OTHER COMMODITIES | 111,732 | $382,539,812 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 170,561 | $826,844,346 | 14,934 | $56,605,354 |
| IMPORTS | 463,775 | $1,358,884,944 | 91,318 | $242,741,581 |
| TOTAL I/O | 634,336 | $2,185,729,290 | 106,252 | $299,346,935 |

## TRADE ROUTE 06 N. ATL./SCANDINAVIA & BALTIC

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 164,874 | $38,510,959 | 33 | PETROLEUM&PETROLEUM PROD | 768,800 | $165,625,748 |
| 41 | ANIMAL OILS AND FATS | 3,954 | $1,492,526 | 52 | INORGANIC CHEMICALS | 27,476 | $3,967,444 |
| 66 | NONMETALLIC MINERAL MANU | 20 | $14,752 | 63 | WOOD AND CORK MANUF | 1,366 | $393,477 |
| 64 | PAPER,PAPERBOARD & MANUF | 1 | $4,589 | 51 | ORGANIC CHEMICALS | 671 | $330,647 |
| 69 | MANUFACTURES OF METAL | 1 | $2,524 | 78 | ROAD VEHICLES & PARTS | 465 | $4,217,153 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | | $1,270 | 04 | CEREALS & CEREAL PREPS | 9 | $13,998 |
| 58 | SYN RESINS,CELLU&PLASTIC | | $628 | 03 | FISH & FISH PREPARATIONS | | $1,183 |
| 89 | MISC MANUF ARTICLES | | $618 | | | | |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 168,850 | $40,027,866 | 5,613 | $775,815 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 798,787 | $174,549,650 | 101,321 | $20,924,866 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 967,637 | $214,577,516 | 106,934 | $21,700,681 |

## TRADE ROUTE 06 N. ATL./SCANDINAVIA & BALTIC

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 2,879,841 | $157,362,402 | 64 | PAPER,PAPERBOARD & MANUF | 192,216 | $91,981,033 |
| 04 | CEREALS & CEREAL PREPS | 630,429 | $81,112,778 | 28 | METALLIFEROUS ORE&SCRAPS | 64,240 | $2,581,806 |
| 58 | SYN RESINS,CELLU&PLASTIC | 5,281 | $158,568 | 03 | FISH & FISH PREPARATIONS | 57,337 | $135,290,777 |
| 28 | METALLIFEROUS ORE&SCRAPS | 1,335 | $7,669,210 | 27 | CRUDE FERTILIZER&MINERAL | 48,015 | $586,688 |
| 05 | FRUIT AND VEGETABLES | 95 | $63,717 | 78 | ROAD VEHICLES & PARTS | 33,491 | $286,091,010 |
| 03 | FISH & FISH PREPARATIONS | 93 | $228,368 | 67 | IRON AND STEEL | 30,135 | $12,878,506 |
| 57 | EXPLOSIVES&PYROTEC PRODS | 92 | $960,048 | 56 | MANUF FERTIL & MATERIALS | 28,757 | $1,885,934 |
| 64 | PAPER,PAPERBOARD & MANUF | 92 | $23,507 | 25 | PULP AND WASTEPAPER | 27,127 | $10,009,580 |
| 12 | TOBACCO & TOBACCO PRODS | 80 | $551,788 | 68 | NONFERROUS METALS | 11,864 | $45,452,916 |
| 78 | ROAD VEHICLES & PARTS | 60 | $200,238 | 52 | INORGANIC CHEMICALS | 10,327 | $941,954 |
| | ALL OTHER COMMODITIES | 316 | $3,858,775 | | ALL OTHER COMMODITIES | 15,989 | $26,282,795 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,517,714 | $252,189,399 | 0 | $0 |
| IMPORTS | 519,498 | $613,982,997 | 0 | $0 |
| TOTAL I/O | 4,037,212 | $866,172,396 | 0 | $0 |

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## TRADE ROUTE 06

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,857,125 | $1,119,061,611 | 20,547 | $57,381,169 |
| IMPORTS | 1,782,060 | $2,147,417,591 | 192,639 | $263,666,447 |
| TOTAL I/O | 5,639,185 | $3,266,479,202 | 213,186 | $321,047,616 |

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## TRADE ROUTE 10 N. ATL./MEDITERRANEAN

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 25 | PULP AND WASTEPAPER | 59,510 | $7,619,416 | 11 | ALCOHOLIC & NON,BEVERAGE | 386,526 | $354,391,166 |
| 12 | TOBACCO & TOBACCO PRODS | 50,086 | $343,103,971 | 05 | FRUIT AND VEGETABLES | 266,030 | $388,751,168 |
| 67 | IRON AND STEEL | 46,540 | $40,260,142 | 66 | NONMETALLIC MINERAL MANU | 179,813 | $179,684,382 |
| 26 | TEXTILE FIBERS & WASTE | 40,218 | $28,844,070 | 82 | FURNITURE | 57,741 | $128,167,650 |
| 24 | WOOD,LUMBER AND CORK | 39,896 | $16,112,410 | 12 | TOBACCO & TOBACCO PRODS | 50,299 | $163,899,100 |
| 04 | CEREALS & CEREAL PREPS | 32,038 | $18,283,071 | 67 | IRON AND STEEL | 45,699 | $57,720,468 |
| 72 | MACH FOR SPECIALIZED INDU | 29,687 | $228,063,769 | 89 | MISC MANUF ARTICLES | 42,303 | $163,928,724 |
| 41 | ANIMAL OILS AND FATS | 29,508 | $11,946,017 | 69 | MANUFACTURES OF METAL | 42,112 | $83,204,028 |
| 65 | TEXTILE YARN,FABRIC&PROD | 28,415 | $80,751,047 | 52 | INORGANIC CHEMICALS | 36,942 | $53,824,230 |
| 78 | ROAD VEHICLES & PARTS | 25,353 | $151,341,161 | 65 | TEXTILE YARN,FABRIC&PROD | 35,323 | $148,522,345 |
| | ALL OTHER COMMODITIES | 275,141 | $1,436,716,735 | | ALL OTHER COMMODITIES | 505,770 | $1,665,683,409 |

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### TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 656,392 | $2,363,041,809 | 169,398 | $651,716,717 |
| IMPORTS | 1,648,558 | $3,387,776,670 | 517,980 | $1,218,090,603 |
| TOTAL I/O | 2,304,950 | $5,750,818,479 | 687,378 | $1,869,807,320 |

## TRADE ROUTE 10 N. ATL./MEDITERRANEAN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 41 | ANIMAL OILS AND FATS | 74,329 | $28,179,799 | 33 | PETROLEUM&PETROLEUM PROD | 8,623,813 | $1,956,864,804 |
| 34 | GAS-NATURAL & MANUF | 22,446 | $6,269,653 | 34 | GAS-NATURAL & MANUF | 774,067 | $189,163,592 |
| 33 | PETROLEUM&PETROLEUM PROD | 8,492 | $2,962,028 | 52 | INORGANIC CHEMICALS | 87,028 | $4,912,963 |
| 51 | ORGANIC CHEMICALS | 5,480 | $2,072,495 | 56 | MANUF FERTIL & MATERIALS | 73,385 | $5,404,379 |
| 25 | PULP AND WASTEPAPER | 110 | $22,595 | 51 | ORGANIC CHEMICALS | 32,330 | $15,928,606 |
| 69 | MANUFACTURES OF METAL | 108 | $471,672 | 42 | VEGETABLE OILS & FATS | 2,430 | $2,755,869 |
| 67 | IRON AND STEEL | 104 | $234,766 | 11 | ALCOHOLIC & NON-BEVERAGE | 276 | $273,689 |
| 68 | NONFERROUS METALS | 104 | $412,274 | 05 | FRUIT AND VEGETABLES | 141 | $314,864 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 89 | $42,000 | 66 | NONMETALLIC MINERAL MANU | 97 | $59,154 |
| 89 | MISC MANUF ARTICLES | 70 | $401,253 | 65 | TEXTILE YARN,FABRIC&PROD | 54 | $139,799 |
| | ALL OTHER COMMODITIES | 567 | $4,279,950 | | ALL OTHER COMMODITIES | 195 | $757,633 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 111,899 | $45,348,485 | 407 | $411,613 |
| IMPORTS | 9,593,816 | $2,174,555,332 | 328,934 | $90,122,462 |
| TOTAL I/O | 9,705,715 | $2,219,903,817 | 329,341 | $90,534,075 |

## TRADE ROUTE 10 N. ATL./MEDITERRANEAN

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 11,585,705 | $650,002,732 | 27 | CRUDE FERTILIZER&MINERAL | 583,649 | $16,159,861 |
| 04 | CEREALS & CEREAL PREPS | 4,112,391 | $535,372,614 | 66 | NONMETALLIC MINERAL MANU | 186,823 | $6,651,928 |
| 28 | METALLIFEROUS ORES&SCRAPS | 726,358 | $65,330,242 | 56 | MANUF FERTIL & MATERIALS | 155,701 | $14,007,810 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 635,956 | $159,921,896 | 67 | IRON AND STEEL | 111,256 | $34,235,911 |
| 33 | PETROLEUM&PETROLEUM PROD | 163,115 | $5,956,737 | 05 | FRUIT AND VEGETABLES | 12,727 | $9,617,135 |
| 08 | FEED-STUFF FOR ANIMALS | 25,957 | $5,197,104 | 33 | PETROLEUM&PETROLEUM PROD | 12,120 | $2,369,722 |
| 66 | NONMETALLIC MINERAL MANU | 15,909 | $1,855,958 | 12 | TOBACCO & TOBACCO PRODS | 5,784 | $22,594,181 |
| 56 | MANUF FERTIL & MATERIALS | 11,472 | $961,646 | 52 | INORGANIC CHEMICALS | 5,160 | $2,748,427 |
| 02 | DAIRY PRODUCTS AND EGGS | 4,661 | $7,457,341 | 11 | ALCOHOLIC & NON,BEVERAGE | 3,673 | $2,279,599 |
| 25 | PULP AND WASTEPAPER | 3,449 | $1,203,141 | 68 | NONFERROUS METALS | 3,183 | $2,546,510 |
| | ALL OTHER COMMODITIES | 8,294 | $52,504,211 | | ALL OTHER COMMODITIES | 11,237 | $24,154,540 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 17,293,265 | $1,485,743,522 | 627,487 | $91,241,608 |
| IMPORTS | 1,091,313 | $137,365,604 | 129 | $331,104 |
| TOTAL I/O | 18,384,578 | $1,623,109,126 | 627,616 | $91,572,712 |

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### TRADE ROUTE 10

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 18,061,556 | $3,894,133,916 | 797,292 | $743,369,938 |
| IMPORTS | 12,333,687 | $5,699,697,606 | 847,043 | $1,308,544,169 |
| TOTAL I/O | 30,395,243 | $9,593,831,422 | 1,644,335 | $2,051,914,107 |

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BEST CO[illegible] AVAILABLE

## TRADE ROUTE 11 S. ATL./W. EUROPE

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 25 | PULP AND WASTEPAPER | 191,438 | $87,938,968 | 11 | ALCOHOLIC & NON,BEVERAGE | 206,305 | $267,785,080 |
| 27 | CRUDE FERTILIZER&MINERAL | 118,530 | $26,012,297 | 67 | IRON AND STEEL | 106,433 | $57,249,541 |
| 64 | PAPER,PAPERBOARD & MANUF | 104,841 | $55,704,547 | 72 | MACH FOR SPECIALIZED INDU | 54,370 | $381,414,978 |
| 05 | FRUIT AND VEGETABLES | 75,412 | $45,244,179 | 69 | MANUFACTURES OF METAL | 48,621 | $88,915,049 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 70,143 | $52,365,158 | 66 | NONMETALLIC MINERAL MANU | 37,079 | $44,451,747 |
| 58 | SYN RESINS,CELLU&PLASTIC | 59,196 | $102,672,825 | 64 | PAPER,PAPERBOARD & MANUF | 34,526 | $37,105,105 |
| 26 | TEXTILE FIBERS & WASTE | 50,782 | $80,789,000 | 52 | INORGANIC CHEMICALS | 31,693 | $59,662,694 |
| 65 | TEXTILE YARN,FABRIC&PROD | 45,520 | $165,496,530 | 89 | MISC MANUF ARTICLES | 25,348 | $123,688,558 |
| 24 | WOOD,LUMBER AND CORK | 39,382 | 21,900,206 | 05 | FRUIT AND VEGETABLES | 23,572 | $30,041,625 |
| 12 | TOBACCO & TOBACCO PRODS | 33,848 | $214,731,063 | 51 | ORGANIC CHEMICALS | 23,476 | $58,803,055 |
| | ALL OTHER COMMODITIES | 295,709 | $866,099,685 | | ALL OTHER COMMODITIES | 300,927 | $1,000,574,971 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 1,084,801 | $1,718,854,458 | 607,664 | $1,034,895,616 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 892,350 | $2,149,692,403 | 344,748 | $885,763,507 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,977,151 | $3,868,546,861 | 952,412 | $1,920,659,123 |

TRADE ROUTE 11 S. ATL./W. EUROPE

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 06 | SUGAR,MOLASSES,& HONEY | 144,354 | $7,210,113 | 06 | SUGAR,MOLASSES,& HONEY | 52,480 | $4,235,745 |
| 59 | CHEMICAL PROD & MATERIAL | 39,898 | $9,640,206 | 33 | PETROLEUM&PETROLEUM PROD | 35,343 | $10,218,806 |
| 56 | MANUF FERTIL & MATERIALS | 9,742 | $2,925,170 | 51 | ORGANIC CHEMICALS | 30,400 | $18,788,723 |
| 52 | INORGANIC CHEMICALS | 8,030 | $3,073,857 | 52 | INORGANIC CHEMICALS | 19,864 | $1,151,772 |
| 51 | ORGANIC CHEMICALS | 2,607 | $1,367,885 | 59 | CHEMICAL PROD & MATERIAL | 7,273 | $1,180,126 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 1,853 | $1,414,161 | 68 | NONFERROUS METALS | 10 | $14,979 |
| 42 | VEGETABLE OILS & FATS | 984 | $895,568 | | | | |
| 41 | ANIMAL OILS AND FATS | 983 | $324,995 | | | | |
| 57 | EXPLOSIVES&PYROTEC PRODS | | $1,516 | | | | |

TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 208,451 | $26,853,471 | 0 | $0 |
| IMPORTS | 145,370 | $35,590,151 | 0 | $0 |
| TOTAL I/O | 353,821 | $62,443,622 | 0 | $0 |

# TRADE ROUTE 11 S. ATL./W. EUROPE

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 796,053 | $41,260,627 | 67 | IRON AND STEEL | 206,008 | $65,199,611 |
| 25 | PULP AND WASTEPAPER | 425,572 | $188,646,785 | 56 | MANUF FERTIL & MATERIALS | 113,029 | $12,033,533 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 383,584 | $93,001,420 | 27 | CRUDE FERTILIZER&MINERAL | 82,656 | $1,695,989 |
| 24 | WOOD,LUMBER AND CORK | 279,654 | $12,462,869 | 78 | ROAD VEHICLES & PARTS | 58,716 | $592,352,103 |
| 32 | COAL,CCKE AND BRIQUETS | 138,909 | $6,616,684 | 66 | NONMETALLIC MINERAL MANU | 41,478 | $3,487,086 |
| 64 | PAPER,PAPERBOARD & MANUF | 129,815 | $44,106,005 | 52 | INORGANIC CHEMICALS | 25,206 | $2,211,686 |
| 56 | MANUF FERTIL & MATERIALS | 102,597 | $15,756,788 | 64 | PAPER,PAPERBOARD & MANUF | 14,996 | $2,363,608 |
| 05 | FRUIT AND VEGETABLES | 19,271 | $8,768,494 | 72 | MACH FOR SPECIALIZED INDU | 10,444 | $44,779,931 |
| 29 | ANIMAL&VEGETA MATERIALS | 4,592 | $2,753,864 | 05 | FRUIT AND VEGETABLES | 4,723 | $3,998,770 |
| 01 | MEAT & MEAT PREPARATIONS | 3,087 | $2,796,202 | 69 | MANUFACTURES OF METAL | 4,720 | $2,870,491 |
| | ALL OTHER COMMODITIES | 14,220 | $37,751,726 | | ALL OTHER COMMODITIES | 17,649 | $28,602,979 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 2,297,354 | $453,921,464 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 579,625 | $759,595,787 | 312 | $434,400 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 2,876,979 | $1,213,517,251 | 312 | $434,400 |

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## TRADE ROUTE 11

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,590,606 | $2,199,629,393 | 607,664 | $1,034,895,616 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,617,345 | $2,944,878,341 | 345,060 | $886,197,907 |
| TOTAL I/C | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 5,207,951 | $5,144,507,734 | 952,724 | $1,921,093,523 |

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## TRADE ROUTE 12 ATL./FAR EAST

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 25 | PULP AND WASTEPAPER | 404,377 | $76,724,374 | 69 | MANUFACTURES OF METAL | 407,978 | $719,018,076 |
| 27 | CRUDE FERTILIZER&MINERAL | 271,990 | $49,327,590 | 89 | MISC MANUF ARTICLES | 290,230 | $1,081,769,052 |
| 51 | ORGANIC CHEMICALS | 175,680 | $203,205,443 | 05 | FRUIT AND VEGETABLES | 184,130 | $146,389,753 |
| 28 | METALLIFEROUS ORE&SCRAPS | 152,061 | $85,339,397 | 66 | NONMETALLIC MINERAL MANU | 148,805 | $229,504,102 |
| 58 | SYN RESINS,CELLU&PLASTIC | 130,485 | $236,327,335 | 84 | CLOTHING AND ACCESSORIES | 148,103 | $1,451,031,776 |
| 64 | PAPER,PAPERBOARD & MANUF | 116,994 | $77,798,768 | 65 | TEXTILE YARN,FABRIC&PROD | 138,365 | $620,514,615 |
| 24 | WOOD,LUMBER AND CORK | 111,599 | $48,079,155 | 78 | ROAD VEHICLES & PARTS | 131,316 | $541,746,376 |
| 26 | TEXTILE FIBERS & WASTE | 93,869 | $151,770,956 | 58 | SYN RESINS,CELLU&PLASTIC | 102,727 | $168,169,544 |
| 08 | FEED-STUFF FOR ANIMALS | 87,275 | $24,491,771 | 03 | FISH & FISH PREPARATIONS | 97,930 | $229,861,268 |
| 12 | TOBACCO & TOBACCO PRODS | 70,904 | $462,215,419 | 76 | TELEC,RECOR & REPRO EQUIP | 94,960 | $1,123,628,324 |
| | ALL OTHER COMMODITIES | 660,941 | $2,978,625,103 | | ALL OTHER COMMODITIES | 1,247,582 | $4,422,809,685 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,276,175 | $4,393,905,311 | 108,786 | $301,540,043 |
| IMPORTS | 2,992,006 | $10,734,222,571 | 201,621 | $1,038,504,183 |
| TOTAL I/O | 5,268,181 | $15,128,127,882 | 310,407 | $1,340,044,226 |

## TRADE ROUTE 12 ATL./FAR EAST

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 59 | CHEMICAL PROD & MATERIAL | 62,391 | $25,736,501 | 33 | PETROLEUM&PETROLEUM PROD | 152,353 | $29,211,477 |
| 34 | GAS-NATURAL & MANUF | 50,811 | $16,082,468 | 42 | VEGETABLE OILS & FATS | 70,940 | $34,491,735 |
| 51 | ORGANIC CHEMICALS | 37,382 | $15,778,320 | 23 | RUBBER-CRUDE & SYNTHETIC | 1,523 | $906,523 |
| 33 | PETROLEUM&PETROLEUM PROD | 15,539 | $7,160,484 | 51 | ORGANIC CHEMICALS | 769 | $861,657 |
| 41 | ANIMAL OILS AND FATS | 3,058 | $1,213,760 | 06 | SUGAR,MOLASSES,& HONEY | 410 | $149,953 |
| 25 | PULP AND WASTEPAPER | 2,182 | $1,137,698 | 78 | ROAD VEHICLES & PARTS | 202 | $955,644 |
| 27 | CRUDE FERTILIZER&MINERAL | 944 | $145,639 | 05 | FRUIT AND VEGETABLES | 23 | $20,951 |
| 26 | TEXTILE FIBERS & WASTE | 263 | $356,974 | 76 | TELEC,RECOR & REPRO EQUIP | 23 | $388,085 |
| 58 | SYN RESINS,CELLU&PLASTIC | 247 | $233,082 | 84 | CLOTHING AND ACCESSORIES | 18 | $174,537 |
| 64 | PAPER,PAPERBOARD & MANUF | 233 | $193,096 | 85 | FOOTWARE-NEW | 16 | $114,348 |
| | ALL OTHER COMMODITIES | 893 | $9,048,372 | | ALL OTHER COMMODITIES | 38 | $192,073 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 173,943 | $77,086,394 | 0 | $0 |
| IMPORTS | 226,315 | $67,466,983 | 30 | $173,705 |
| TOTAL I/O | 400,258 | $144,553,377 | 30 | $173,705 |

## TRADE ROUTE 12 ATL./FAR EAST

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 14,304,697 | $887,996,934 | 78 | ROAD VEHICLES & PARTS | 951,881 | $5,123,339,732 |
| 28 | METALLIFEROUS ORE&SCRAPS | 1,420,467 | $114,281,791 | 67 | IRON AND STEEL | 864,815 | $394,585,757 |
| 04 | CEREALS & CEREAL PREPS | 785,074 | $99,564,109 | 06 | SUGAR,MOLASSES,& HONEY | 278,195 | $119,882,057 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 672,135 | $175,698,447 | 63 | WOOD AND CORK MANUF | 215,623 | $139,242,890 |
| 27 | CRUDE FERTILIZER&MINERAL | 308,802 | $41,019,810 | 05 | FRUIT AND VEGETABLES | 71,262 | $35,736,230 |
| 64 | PAPER,PAPERBOARD & MANUF | 119,079 | $26,189,905 | 69 | MANUFACTURES OF METAL | 21,088 | $19,366,672 |
| 56 | MANUF FERTIL & MATERIALS | 96,894 | $10,638,418 | 68 | NONFERROUS METALS | 12,742 | $29,729,122 |
| 25 | PULP AND WASTEPAPER | 54,752 | $14,151,911 | 27 | CRUDE FERTILIZER&MINERAL | 12,405 | $1,042,859 |
| 05 | FRUIT AND VEGETABLES | 18,373 | $5,169,479 | 28 | METALLIFEROUS ORE&SCRAPS | 8,186 | $3,016,952 |
| 12 | TOBACCO & TOBACCO PRODS | 13,881 | $77,580,708 | 24 | WOOD,LUMBER AND CORK | 6,196 | $3,813,051 |
| | ALL OTHER COMMODITIES | 40,953 | $247,116,980 | | ALL OTHER COMMODITIES | 54,261 | $221,540,323 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 17,835,107 | $1,699,408,492 | 3,023 | $6,002,859 |
| IMPORTS | 2,496,638 | $6,091,293,645 | 137 | $316,115 |
| TOTAL I/O | 20,331,745 | $7,790,702,137 | 3,160 | $6,318,974 |

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### TRADE ROUTE 12

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 20,285,225 | $6,170,400,197 | 111,809 | $307,542,902 |
| IMPORTS | 5,714,959 | $16,892,983,199 | 201,788 | $1,038,994,003 |
| TOTAL I/O | 26,000,184 | $23,063,383,396 | 313,597 | $1,346,536,905 |

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# TRADE ROUTE 13 S. ATL. & GULF/MEDITERRANEAN

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 523,586 | $86,077,983 |
| 64 | PAPER,PAPERBOARD & MANUF | 213,327 | $62,993,036 |
| 25 | PULP AND WASTEPAPER | 87,453 | $34,292,967 |
| 26 | TEXTILE FIBERS & WASTE | 85,102 | $115,966,309 |
| 27 | CRUDE FERTILIZER&MINERAL | 51,402 | $9,116,521 |
| 24 | WOOD,LUMBER AND CORK | 50,490 | $19,609,330 |
| 51 | ORGANIC CHEMICALS | 50,228 | $38,198,168 |
| 67 | IRON AND STEEL | 50,096 | $38,811,582 |
| 08 | FEED-STUFF FOR ANIMALS | 45,362 | $13,039,679 |
| 58 | SYN RESINS,CELLU&PLASTIC | 43,769 | $36,572,638 |
|  | ALL OTHER COMMODITIES | 326,769 | $1,270,596,254 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 66 | NONMETALLIC MINERAL MANU | 214,312 | $118,517,886 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 136,852 | $105,312,217 |
| 67 | IRON AND STEEL | 110,225 | $56,094,149 |
| 27 | CRUDE FERTILIZER&MINERAL | 57,960 | $11,507,365 |
| 05 | FRUIT AND VEGETABLES | 46,279 | $31,710,581 |
| 12 | TOBACCO & TOBACCO PRODS | 28,603 | $110,486,263 |
| 69 | MANUFACTURES OF METAL | 17,679 | $28,402,875 |
| 51 | ORGANIC CHEMICALS | 16,442 | $25,259,658 |
| 52 | INORGANIC CHEMICALS | 16,307 | $18,206,024 |
| 72 | MACH FOR SPECIALIZED INDU | 15,328 | $72,312,107 |
|  | ALL OTHER COMMODITIES | 146,860 | $469,331,819 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,527,584 | $1,725,274,467 | 688,880 | $541,211,077 |
| IMPORTS | 806,845 | $1,047,140,944 | 202,877 | $260,988,422 |
| TOTAL I/O | 2,334,429 | $2,772,415,411 | 891,757 | $802,199,699 |

## TRADE ROUTE 13 S. ATL. & GULF/MEDITERRANEAN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 1,286,678 | $222,220,355 | 33 | PETROLEUM&PETROLEUM PROD | 5,738,762 | $1,421,148,573 |
| 51 | ORGANIC CHEMICALS | 371,681 | $172,205,057 | 34 | GAS-NATURAL & MANUF | 2,337,368 | $458,795,335 |
| 52 | INORGANIC CHEMICALS | 337,632 | $89,941,438 | 52 | INORGANIC CHEMICALS | 539,690 | $79,887,468 |
| 41 | ANIMAL OILS AND FATS | 301,176 | $121,412,900 | 51 | ORGANIC CHEMICALS | 185,414 | $87,005,533 |
| 42 | VEGETABLE OILS & FATS | 276,262 | $136,685,054 | 56 | MANUF FERTIL & MATERIALS | 95,806 | $8,380,899 |
| 04 | CEREALS & CEREAL PREPS | 181,803 | $25,148,486 | 27 | CRUDE FERTILIZER&MINERAL | 15,799 | $174,429 |
| 34 | GAS-NATURAL & MANUF | 122,612 | $36,373,368 | 66 | NONMETALLIC MINERAL MANU | 14,632 | $558,069 |
| 56 | MANUF FERTIL & MATERIALS | 27,825 | $4,679,459 | 59 | CHEMICAL PROD & MATERIAL | 5,259 | $3,251,835 |
| 59 | CHEMICAL PROD & MATERIAL | 21,877 | $20,525,354 | 42 | VEGETABLE OILS & FATS | 1,919 | $1,065,549 |
| 64 | PAPER,PAPERBOARD & MANUF | 960 | $300,375 | 08 | FEED-STUFF FOR ANIMALS | 1,530 | $324,197 |
| | ALL OTHER COMMODITIES | 1,404 | $2,829,981 | | ALL OTHER COMMODITIES | 405 | $371,885 |

## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,929,910 | $832,321,827 | 14,142 | $2,392,442 |
| IMPORTS | 8,936,584 | $2,060,963,772 | 589,092 | $123,778,092 |
| TOTAL I/O | 11,866,494 | $2,893,285,599 | 603,234 | $126,170,534 |

## TRADE ROUTE 13 S. ATL. & GULF/MEDITERRANEAN

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 13,240,799 | $1,955,271,370 | 27 | CRUDE FERTILIZER&MINERAL | 922,193 | $28,204,652 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 4,113,914 | $1,093,095,385 | 56 | MANUF FERTIL & MATERIALS | 705,043 | $66,719,766 |
| 33 | PETROLEUM&PETROLEUM PROD | 2,550,891 | $101,121,156 | 66 | NONMETALLIC MINERAL MANU | 404,249 | $19,806,556 |
| 32 | COAL,COKE AND BRIQUETS | 2,206,682 | $100,630,682 | 67 | IRON AND STEEL | 269,642 | $130,916,232 |
| 08 | FEED-STUFF FOR ANIMALS | 1,247,213 | $291,486,319 | 42 | VEGETABLE OILS & FATS | 24,409 | $11,010,889 |
| 27 | CRUDE FERTILIZER&MINERAL | 755,958 | $41,060,999 | 51 | ORGANIC CHEMICALS | 8,903 | $2,106,619 |
| 56 | MANUF FERTIL & MATERIALS | 543,878 | $87,380,198 | 74 | GENERAL IND MACH & EQUIP | 6,448 | $25,695,165 |
| 52 | INORGANIC CHEMICALS | 498,279 | $153,488,456 | 08 | FEED-STUFF FOR ANIMALS | 6,146 | $68,695 |
| 25 | PULP AND WASTEPAPER | 184,738 | $74,164,626 | 28 | METALLIFEROUS ORE&SCRAPS | 4,958 | $98,241 |
| 64 | PAPER,PAPERBOARD & MANUF | 114,396 | $32,911,954 | 69 | MANUFACTURES OF METAL | 4,937 | $3,064,207 |
| | ALL OTHER COMMODITIES | 334,291 | $286,517,541 | | ALL OTHER COMMODITIES | 18,787 | $30,538,950 |

## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 25,791,037 | $4,217,028,682 | 1,159,229 | $246,333,302 |
| IMPORTS | 2,375,715 | $317,229,972 | 285 | $254,012 |
| TOTAL I/O | 28,166,752 | $4,534,258,654 | 1,159,514 | $246,587,314 |

## TRADE ROUTE 13

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 36,248,531 | $6,774,624,976 | 1,862,251 | $789,936,821 |
| IMPORTS | 12,119,144 | $3,425,334,688 | 792,254 | $385,020,526 |
| TOTAL I/O | 42,367,675 | $10,199,959,664 | 2,654,505 | $1,174,957,347 |

## TRADE ROUTE 14-1(41) ATL/WEST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 64 | PAPER,PAPERBOARD & MANUF | 34,424 | $13,656,455 | 07 | COFFEE,COCOA,TEA&SPICES | 126,431 | $218,686,798 |
| 26 | TEXTILE FIBERS & WASTE | 22,150 | $22,837,303 | 28 | METALLIFEROUS ORE&SCRAPS | 17,796 | $1,698,444 |
| 09 | MISC FOOD PREPARATIONS | 12,956 | $18,450,403 | 68 | NONFERROUS METALS | 15,074 | $25,618,116 |
| 04 | CEREALS & CEREAL PREPS | 11,751 | $3,365,181 | 24 | WOOD,LUMBER AND CORK | 3,824 | $1,327,154 |
| 12 | TOBACCO & TOBACCO PRODS | 10,932 | $68,288,451 | 63 | WOOD AND CORK MANUF | 3,164 | $2,472,443 |
| 65 | TEXTILE YARN,FABRIC&PROD | 9,994 | $26,248,444 | 54 | MED & PHARM PRODUCTS | 1,274 | $464,832 |
| 42 | VEGETABLE OILS & FATS | 5,716 | $4,606,170 | 23 | RUBBER-CRUDE & SYNTHETIC | 1,255 | $942,534 |
| 74 | GENERAL IND MACH & EQUIP | 4,724 | $39,410,936 | 03 | FISH & FISH PREPARATIONS | 1,104 | $6,591,563 |
| 69 | MANUFACTURES OF METAL | 4,618 | $19,095,294 | 67 | IRON AND STEEL | 972 | $628,000 |
| 52 | INORGANIC CHEMICALS | 3,912 | $2,900,138 | 05 | FRUIT AND VEGETABLES | 856 | $605,503 |
| | ALL OTHER COMMODITIES | 47,599 | $196,980,390 | | ALL OTHER COMMODITIES | 2,964 | $5,986,806 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 168,776 | $415,839,165 | 34,570 | $111,022,824 |
| IMPORTS | 174,714 | $265,022,193 | 23,058 | $46,964,086 |
| TOTAL I/O | 343,490 | $680,861,358 | 57,628 | $157,986,910 |

## TRADE ROUTE 14-1(41) ATL/WEST AFRICA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 6,458 | $1,036,908 | 33 | PETROLEUM&PETROLEUM PROD | 7,296,711 | $1,547,746,333 |
| 26 | TEXTILE FIBERS & WASTE | 169 | $167,638 | 28 | METALLIFEROUS ORE&SCRAPS | 44,754 | $623,423 |
| 06 | SUGAR,MOLASSES,& HONEY | 56 | $12,630 | 93 | SPECIAL TRANSACTIONS NEC | 298 | $110,464 |
| 63 | WOOD AND CORK MANUF | 54 | $82,620 | 07 | COFFEE,COCOA,TEA&SPICES | 195 | $378,175 |
| 78 | ROAD VEHICLES & PARTS | 47 | $106,692 | | | | |
| 65 | TEXTILE YARN,FABRIC&PROD | 46 | $226,046 | | | | |
| 51 | ORGANIC CHEMICALS | 26 | $72,861 | | | | |
| 05 | FRUIT AND VEGETABLES | 24 | $35,746 | | | | |
| 74 | GENERAL IND MACH & EQUIP | 17 | $110,577 | | | | |
| 68 | NONFERROUS METALS | 13 | $21,129 | | | | |
| | ALL OTHER COMMODITIES | 93 | $452,234 | | | | |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 7,003 | $2,325,081 | 0 | $10,699 |
| IMPORTS | 7,341,958 | $1,548,858,395 | 225,013 | $53,885,809 |
| TOTAL I/O | 7,348,961 | $1,551,183,476 | 225,013 | $53,896,508 |

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## TRADE ROUTE 14-1(41) ATL/WEST AFRICA

1983 COMMODITIES

NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 28,740 | $3,237,056 | 28 | METALLIFEROUS ORE&SCRAPS | 1,356,457 | $26,596,390 |
| 04 | CEREALS & CEREAL PREPS | 25,475 | $4,558,501 | 23 | RUBBER-CRUDE & SYNTHETIC | 54,201 | $41,771,065 |
| 64 | PAPER,PAPERBOARD & MANUF | 14,987 | $4,479,327 | 07 | COFFEE,COCOA,TEA&SPICES | 42,374 | $74,419,956 |
| 52 | INORGANIC CHEMICALS | 4,040 | $278,184 | 06 | SUGAR,MOLASSES,& HONEY | 28,852 | $8,720,459 |
| 01 | MEAT & MEAT PREPARATIONS | 2,976 | $2,840,889 | 68 | NONFERROUS METALS | 2,465 | $1,631,633 |
| 59 | CHEMICAL PROD & MATERIAL | 2,329 | $4,145,995 | 63 | WOOD AND CORK MANUF | 611 | $353,571 |
| 33 | PETROLEUM&PETROLEUM PROD | 1,947 | $1,441,538 | 24 | WOOD,LUMBER AND CORK | 243 | $73,548 |
| 03 | FISH & FISH PREPARATIONS | 1,541 | $842,488 | 12 | TOBACCO & TOBACCO PRODS | 202 | $628,460 |
| 72 | MACH FOR SPECIALIZED INDU | 1,323 | $6,193,880 | 93 | SPECIAL TRANSACTIONS NEC | 111 | $395,968 |
| 66 | NONMETALLIC MINERAL MANU | 978 | $488,843 | 89 | MISC MANUF ARTICLES | 56 | $133,353 |
| | ALL OTHER COMMODITIES | 12,010 | $26,700,600 | | ALL OTHER COMMODITIES | 177 | $656,052 |

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TOTAL TONNAGE AND VALUE

NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 96,346 | $55,207,301 | 0 | $0 |
| IMPORTS | 1,485,749 | $155,380,455 | 0 | $0 |
| TOTAL I/O | 1,582,095 | $210,587,756 | 0 | $0 |

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TRADE ROUTE 41

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 272,125 | $473,371,547 | 34,570 | $111,033,523 |
| IMPORTS | 9,002,421 | $1,969,261,043 | 248,071 | $100,849,895 |
| TOTAL I/O | 9,274,546 | $2,442,632,590 | 282,641 | $211,883,418 |

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## TRADE ROUTE 14-2(42) GULF/WEST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 550,221 | $108,916,562 | 28 | METALLIFEROUS ORE&SCRAPS | 24,605 | $1,184,400 |
| 64 | PAPER,PAPERBOARD & MANUF | 49,508 | $14,616,675 | 07 | COFFEE,COCOA,TEA&SPICES | 6,720 | $15,307,559 |
| 58 | SYN RESINS,CELLU&PLASTIC | 19,632 | $14,929,018 | 42 | VEGETABLE OILS & FATS | 1,471 | $1,031,218 |
| 09 | MISC FOOD PREPARATIONS | 19,417 | $6,726,828 | 93 | SPECIAL TRANSACTIONS NEC | 1,225 | $7,657,636 |
| 67 | IRON AND STEEL | 12,943 | $9,619,127 | 68 | NONFERROUS METALS | 1,122 | $815,230 |
| 72 | MACH FOR SPECIALIZED INDU | 11,668 | $95,994,301 | 24 | WOOD,LUMBER AND CORK | 440 | $169,870 |
| 26 | TEXTILE FIBERS & WASTE | 8,075 | $12,648,504 | 33 | PETROLEUM&PETROLEUM PROD | 332 | $68,871 |
| 05 | FRUIT AND VEGETABLES | 7,663 | $4,860,983 | 66 | NONMETALLIC MINERAL MANU | 71 | $29,870 |
| 02 | DAIRY PRODUCTS AND EGGS | 7,131 | $4,224,325 | 63 | WOOD AND CORK MANUF | 63 | $69,783 |
| 08 | FEED-STUFF FOR ANIMALS | 6,610 | $1,666,335 | 29 | ANIMAL&VEGETA MATERIALS | 44 | $72,199 |
| | ALL OTHER COMMODITIES | 35,871 | $70,059,761 | | ALL OTHER COMMODITIES | 62 | $213,380 |

### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 728,739 | $344,262,419 | 79,843 | $27,732,651 |
| IMPORTS | 36,155 | $26,620,016 | 701 | $1,147,256 |
| TOTAL I/O | 764,894 | $370,882,435 | 80,544 | $28,879,907 |

## TRADE ROUTE 14-2(42) GULF/WEST AFRICA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 554,454 | $108,745,255 |
| 41 | ANIMAL OILS AND FATS | 40,083 | $18,088,199 |
| 04 | CEREALS & CEREAL PREPS | 22,255 | $3,337,688 |
| 51 | ORGANIC CHEMICALS | 3,115 | $2,158,643 |
| 34 | GAS-NATURAL & MANUF | 2,645 | $969,750 |
| 59 | CHEMICAL PROD & MATERIAL | 689 | $1,085,000 |
| 76 | TELEC,RECOR & REPRO EQUIP | 149 | $300,000 |
| 65 | TEXTILE YARN,FABRIC&PROD | 25 | $77,229 |
| 72 | MACH FOR SPECIALIZED INDU | 4 | $6,248 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 6,244,092 | $1,379,330,427 |
| 28 | METALLIFEROUS ORE&SCRAPS | 22,684 | $1,169,916 |
| 93 | SPECIAL TRANSACTIONS NEC | 12 | $16,551 |
| 71 | POWER GENERATING MACH | | $1,840 |
| 76 | TELEC,RECOR & REPRO EQUIP | | $400 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 623,419 | $134,668,012 | 22,008 | $3,274,658 |
| IMPORTS | 6,266,788 | $1,380,519,134 | 550,567 | $127,909,192 |
| TOTAL I/O | 6,890,207 | $1,515,187,146 | 572,575 | $131,183,850 |

## TRADE ROUTE 14-2(42) GULF/WEST AFRICA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

**EXPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 1,234,161 | $246,017,674 |
| 33 | PETROLEUM&PETROLEUM PROD | 36,617 | $6,659,322 |
| 56 | MANUF FERTIL & MATERIALS | 22,304 | $3,937,683 |
| 28 | METALLIFEROUS ORE&SCRAPS | 18,279 | $3,173,272 |
| 79 | TRANSPORT EQUIP-RAIL,AIR, | 12,247 | $71,319,363 |
| 64 | PAPER,PAPERBOARD & MANUF | 11,299 | $3,381,803 |
| 58 | SYN RESINS,CELLU&PLASTIC | 8,107 | $6,390,764 |
| 72 | MACH FOR SPECIALIZED INDU | 5,351 | $24,562,054 |
| 05 | FRUIT AND VEGETABLES | 4,180 | $1,828,735 |
| 26 | TEXTILE FIBERS & WASTE | 3,549 | $5,740,397 |
| | ALL OTHER COMMODITIES | 21,006 | $36,571,299 |

**IMPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 28 | METALLIFEROUS ORE&SCRAPS | 2,374,561 | $85,554,888 |
| 68 | NONFERROUS METALS | 39,147 | $66,563,689 |
| 06 | SUGAR,MOLASSES,& HONEY | 14,691 | $3,490,331 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 3,295 | $2,123,343 |
| 93 | SPECIAL TRANSACTIONS NEC | 1,950 | $7,613,724 |
| 07 | COFFEE,COCOA,TEA&SPICES | 1,063 | $2,591,961 |
| 63 | WOOD AND CORK MANUF | 48 | $32,750 |
| 24 | WOOD,LUMBER AND CORK | 30 | $12,308 |
| 72 | MACH FOR SPECIALIZED INDU | 13 | $24,273 |
| 74 | GENERAL IND MACH & EQUIP | 13 | $81,000 |
| | ALL OTHER COMMODITIES | 6 | $34,978 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,377,100 | $409,982,366 | 64,772 | $23,329,347 |
| IMPORTS | 2,434,817 | $168,123,225 | 170 | $1,806,571 |
| TOTAL I/O | 3,811,917 | $578,105,591 | 64,942 | $25,137,918 |

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### TRADE ROUTE 42

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,729,258 | $888,912,797 | 166,623 | $54,336,656 |
| IMPORTS | 8,737,760 | $1,575,262,375 | 551,438 | $130,865,019 |
| TOTAL I/O | 11,467,018 | $2,464,175,172 | 718,061 | $185,201,675 |

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## TRADE ROUTE 15-A(51) ATL/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 25 | PULP AND WASTEPAPER | 51,497 | $22,004,864 | 67 | IRON AND STEEL | 39,164 | $14,153,677 |
| 64 | PAPER,PAPERBOARD & MANUF | 40,424 | $32,777,560 | 05 | FRUIT AND VEGETABLES | 32,142 | $32,188,849 |
| 26 | TEXTILE FIBERS & WASTE | 20,503 | $28,279,629 | 07 | COFFEE,COCOA,TEA&SPICES | 25,910 | $69,161,691 |
| 72 | MACH FOR SPECIALIZED INDU | 18,792 | $144,832,817 | 68 | NONFERROUS METALS | 25,566 | $55,820,131 |
| 04 | CEREALS & CEREAL PREPS | 17,347 | $4,098,815 | 69 | MANUFACTURES OF METAL | 10,886 | $8,130,836 |
| 27 | CRUDE FERTILIZER&MINERAL | 16,300 | $3,332,341 | 06 | SUGAR,MOLASSES,& HONEY | 9,254 | $4,939,252 |
| 58 | SYN RESINS,CELLU&PLASTIC | 14,342 | $35,467,396 | 27 | CRUDE FERTILIZER&MINERAL | 8,739 | $2,902,505 |
| 74 | GENERAL IND MACH & EQUIP | 10,675 | $94,445,992 | 33 | PETROLEUM&PETROLEUM PROD | 7,741 | $8,295,243 |
| 59 | CHEMICAL PROD & MATERIAL | 8,623 | $22,812,935 | 26 | TEXTILE FIBERS & WASTE | 7,225 | $22,270,947 |
| 78 | ROAD VEHICLES & PARTS | 7,617 | $55,393,923 | 29 | ANIMAL&VEGETA MATERIALS | 6,472 | $2,789,478 |
|  | ALL OTHER COMMODITIES | 87,144 | $393,580,818 |  | ALL OTHER COMMODITIES | 39,904 | $163,673,918 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
|  | 293,264 | $837,027,090 | 77,275 | $198,523,040 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|  | 213,003 | $384,326,527 | 52,853 | $104,474,890 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|  | 506,267 | $1,221,353,617 | 130,128 | $302,997,930 |

## TRADE ROUTE 15-A(51) ATL/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 42 | VEGETABLE OILS & FATS | 9,843 | $4,982,683 | 06 | SUGAR,MOLASSES,& HONEY | 30,036 | $2,557,313 |
| 41 | ANIMAL OILS AND FATS | 968 | $368,904 | 33 | PETROLEUM&PETROLEUM PROD | 26,982 | $7,763,558 |
| 76 | TELEC,RECOR & REPRO EQUIP | 3 | $15,720 | 52 | INORGANIC CHEMICALS | 12,000 | $1,380,090 |
| 74 | GENERAL IND MACH & EQUIP | | $878 | 07 | COFFEE,COCOA,TEA&SPICES | 34 | $58,548 |
| 88 | PHOTO EQUIP,WATCH & CLOCK | | $828 | | | | |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 10,814 | $5,369,013 | 0 | $0 |
| IMPORTS | 69,052 | $11,759,509 | 34 | $58,548 |
| TOTAL I/O | 79,866 | $17,128,522 | 34 | $58,548 |

# TRADE ROUTE 15-A(51) ATL/SOUTH & EAST AFRICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 203,565 | $30,859,039 |
| 06 | SUGAR,MOLASSES,& HONEY | 11,649 | $3,162,790 |
| 25 | PULP AND WASTEPAPER | 10,272 | $4,170,822 |
| 64 | PAPER,PAPERBOARD & MANUF | 5,166 | $2,120,933 |
| 56 | MANUF FERTIL & MATERIALS | 3,449 | $749,717 |
| 27 | CRUDE FERTILIZER&MINERAL | 872 | $182,657 |
| 26 | TEXTILE FIBERS & WASTE | 747 | $1,204,608 |
| 72 | MACH FOR SPECIALIZED INDU | 371 | $2,134,820 |
| 24 | WOOD,LUMBER AND CORK | 245 | $157,508 |
| 89 | MISC MANUF ARTICLES | 216 | $775,302 |
| | ALL OTHER COMMODITIES | 1,535 | $5,894,267 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 67 | IRON AND STEEL | 188,955 | $58,908,877 |
| 06 | SUGAR,MOLASSES,& HONEY | 124,279 | $42,856,568 |
| 68 | NONFERROUS METALS | 47,860 | $71,379,600 |
| 05 | FRUIT AND VEGETABLES | 14,765 | $7,528,527 |
| 27 | CRUDE FERTILIZER&MINERAL | 10,326 | $1,065,471 |
| 07 | COFFEE,COCOA,TEA&SPICES | 451 | $1,473,048 |
| 69 | MANUFACTURES OF METAL | 211 | $166,443 |
| 52 | INORGANIC CHEMICALS | 108 | $109,955 |
| 84 | CLOTHING AND ACCESSORIES | 20 | $144,702 |
| 51 | ORGANIC CHEMICALS | 9 | $18,662 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 238,087 | $51,412,463 | 6 | $77,251 |
| IMPORTS | 386,984 | $183,651,853 | 0 | $0 |
| TOTAL I/O | 625,071 | $235,064,316 | 6 | $77,251 |

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## TRADE ROUTE 51

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 542,165 | $893,808,566 | 77,281 | $198,600,291 |
| IMPORTS | 669,039 | $579,737,889 | 52,887 | $104,533,438 |
| TOTAL I/O | 1,211,204 | $1,473,546,455 | 130,168 | $303,133,729 |

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## TRADE ROUTE 15-B(52) GULF/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 135,436 | $36,911,356 | 67 | IRON AND STEEL | 46,033 | $16,498,231 |
| 64 | PAPER,PAPERBOARD & MANUF | 49,430 | $31,633,199 | 28 | METALLIFEROUS ORE&SCRAPS | 38,727 | $39,780,444 |
| 25 | PULP AND WASTEPAPER | 12,381 | $3,464,800 | 07 | COFFEE,COCOA,TEA&SPICES | 36,378 | $87,470,258 |
| 51 | ORGANIC CHEMICALS | 10,658 | $14,844,161 | 27 | CRUDE FERTILIZER&MINERAL | 28,050 | $8,392,911 |
| 52 | INORGANIC CHEMICALS | 10,273 | $7,841,077 | 68 | NONFERROUS METALS | 16,607 | $11,575,010 |
| 58 | SYN RESINS,CELLU&PLASTIC | 9,434 | $11,103,477 | 52 | INORGANIC CHEMICALS | 7,975 | $102,446,176 |
| 72 | MACH FOR SPECIALIZED INDU | 9,214 | $55,778,595 | 69 | MANUFACTURES OF METAL | 5,923 | $6,049,805 |
| 59 | CHEMICAL PROD & MATERIAL | 7,581 | $20,260,295 | 25 | PULP AND WASTEPAPER | 3,143 | $1,160,860 |
| 74 | GENERAL IND MACH & EQUIP | 7,366 | $32,153,872 | 65 | TEXTILE YARN,FABRIC&PROD | 2,824 | $2,706,423 |
| 02 | DAIRY PRODUCTS AND EGGS | 5,230 | $3,157,818 | 05 | FRUIT AND VEGETABLES | 2,502 | $1,967,272 |
| | ALL OTHER COMMODITIES | 34,931 | $89,104,658 | | ALL OTHER COMMODITIES | 9,084 | $16,165,112 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 291,834 | $306,253,308 | 131,390 | $123,804,577 |
| IMPORTS | 197,246 | $292,212,502 | 55,934 | $91,566,649 |
| TOTAL I/O | 489,080 | $598,465,810 | 187,324 | $215,371,226 |

## TRADE ROUTE 15-B(52) GULF/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 51 | ORGANIC CHEMICALS | 99,302 | $48,565,771 |
| 33 | PETROLEUM&PETROLEUM PROD | 83,681 | $19,482,846 |
| 52 | INORGANIC CHEMICALS | 33,874 | $1,844,565 |
| 42 | VEGETABLE OILS & FATS | 24,511 | $11,718,380 |
| 41 | ANIMAL OILS AND FATS | 24,132 | $9,748,229 |
| 04 | CEREALS & CEREAL PREPS | 23,969 | $3,831,974 |
| 59 | CHEMICAL PROD & MATERIAL | 10,588 | $16,385,715 |
| 56 | MANUF FERTIL & MATERIALS | 5,927 | $1,517,340 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 483 | $365,441 |
| 29 | ANIMAL&VEGETA MATERIALS | 250 | $111,082 |
|  | ALL OTHER COMMODITIES | 312 | $825,193 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 06 | SUGAR,MOLASSES,& HONEY | 94,369 | $3,682,991 |
| 51 | ORGANIC CHEMICALS | 32,039 | $10,422,965 |
| 05 | FRUIT AND VEGETABLES | 1,030 | $380,083 |
| 89 | MISC MANUF ARTICLES |  | $1,125 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 307,029 | $114,396,536 | 22,933 | $3,565,304 |
| IMPORTS | 127,438 | $14,487,164 | 0 | $0 |
| TOTAL I/O | 434,467 | $128,883,700 | 22,933 | $3,565,304 |

# TRADE ROUTE 15-B(52) GULF/SOUTH & EAST AFRICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 897,545 | $173,733,966 |
| 52 | INORGANIC CHEMICALS | 126,678 | $14,137,860 |
| 33 | PETROLEUM&PETROLEUM PROD | 79,547 | $9,624,243 |
| 56 | MANUF FERTIL & MATERIALS | 73,800 | $13,077,256 |
| 08 | FEED-STUFF FOR ANIMALS | 21,179 | $2,707,103 |
| 42 | VEGETABLE OILS & FATS | 8,425 | $4,601,346 |
| 51 | ORGANIC CHEMICALS | 5,570 | $3,365,656 |
| 25 | PULP AND WASTEPAPER | 4,176 | $1,075,710 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 2,952 | $680,070 |
| 41 | ANIMAL OILS AND FATS | 2,923 | $1,187,783 |
|  | ALL OTHER COMMODITIES | 6,272 | $13,601,065 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 32 | COAL,COKE AND BRIQUETS | 339,396 | $11,078,716 |
| 67 | IRON AND STEEL | 281,733 | $94,825,738 |
| 27 | CRUDE FERTILIZER&MINERAL | 75,594 | $7,632,202 |
| 25 | PULP AND WASTEPAPER | 62,278 | $20,711,410 |
| 06 | SUGAR,MOLASSES,& HONEY | 40,736 | $19,206,111 |
| 28 | METALLIFEROUS ORE&SCRAPS | 25,857 | $1,997,105 |
| 68 | NONFERROUS METALS | 9,375 | $9,084,271 |
| 07 | COFFEE,COCOA,TEA&SPICES | 1,602 | $3,993,732 |
| 04 | CEREALS & CEREAL PREPS | 397 | $1,334,400 |
| 69 | MANUFACTURES OF METAL | 290 | $153,189 |
|  | ALL OTHER COMMODITIES | 483 | $900,375 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,229,067 | $237,792,058 | 26,370 | $4,565,047 |
| IMPORTS | 837,741 | $170,917,249 | 1,612 | $4,022,667 |
| TOTAL I/O | 2,066,808 | $408,709,307 | 27,982 | $8,587,714 |

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## TRADE ROUTE 52

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,827,930 | $658,441,902 | 180,693 | $131,934,928 |
| IMPORTS | 1,162,425 | $477,616,915 | 57,546 | $95,589,316 |
| TOTAL I/O | 2,990,355 | $1,136,058,817 | 238,239 | $227,524,244 |

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## TRADE ROUTE 16 ATL. & GULF/AUSTRALIA & NEW ZEALAND

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 58 | SYN RESINS,CELLU&PLASTIC | 62,436 | $85,982,257 | 01 | MEAT & MEAT PREPARATIONS | 320,492 | $642,118,961 |
| 64 | PAPER,PAPERBOARD & MANUF | 54,624 | $63,286,223 | 26 | TEXTILE FIBERS & WASTE | 33,127 | $99,673,990 |
| 66 | NONMETALLIC MINERAL MANU | 19,910 | $25,126,061 | 59 | CHEMICAL PROD & MATERIAL | 31,309 | $70,386,966 |
| 51 | ORGANIC CHEMICALS | 18,429 | $52,109,375 | 02 | DAIRY PRODUCTS AND EGGS | 26,513 | $48,812,395 |
| 89 | MISC MANUF ARTICLES | 18,356 | $83,445,829 | 68 | NONFERROUS METALS | 21,326 | $62,081,356 |
| 52 | INORGANIC CHEMICALS | 15,070 | $18,626,012 | 28 | METALLIFEROUS ORE&SCRAPS | 12,492 | $24,976,281 |
| 78 | ROAD VEHICLES & PARTS | 14,718 | $105,610,047 | 11 | ALCOHOLIC & NON,BEVERAGE | 9,962 | $4,091,893 |
| 65 | TEXTILE YARN,FABRIC&PROD | 14,526 | $70,577,124 | 67 | IRON AND STEEL | 9,277 | $11,540,346 |
| 59 | CHEMICAL PROD & MATERIAL | 13,872 | $61,400,396 | 05 | FRUIT AND VEGETABLES | 8,309 | $9,015,364 |
| 72 | MACH FOR SPECIALIZED INDU | 11,567 | $96,907,589 | 21 | HIDES,SKINS & FURSKINS | 5,126 | $12,975,299 |
| | ALL OTHER COMMODITIES | 125,869 | $575,014,989 | | ALL OTHER COMMODITIES | 33,091 | $158,392,507 |

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## TOTAL TONNAGE AND VALUF

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 369,377 | $1,238,085,902 | 13,614 | $54,062,846 |
| IMPORTS | 511,024 | $1,144,065,338 | 37,461 | $86,566,025 |
| TOTAL I/O | 880,401 | $2,382,151,240 | 51,075 | $140,628,871 |

# TRADE ROUTE 16 ATL. & GULF/AUSTRALIA & NEW ZEALAND

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 52 | INORGANIC CHEMICALS | 252,193 | $18,087,035 | 33 | PETROLEUM&PETROLEUM PROD | 106,346 | $18,196,509 |
| 51 | ORGANIC CHEMICALS | 132,382 | $72,448,900 | 06 | SUGAR,MOLASSES,& HONEY | 91,551 | $3,819,106 |
| 33 | PETROLEUM&PETROLEUM PROD | 107,049 | $21,425,441 | 42 | VEGETABLE OILS & FATS | 18,214 | $9,789,934 |
| 59 | CHEMICAL PROD & MATERIAL | 11,688 | $15,935,692 | 34 | GAS-NATURAL & MANUF | 8,699 | $2,893,950 |
| 42 | VEGETABLE OILS & FATS | 4,273 | $2,220,843 | 51 | ORGANIC CHEMICALS | 1,004 | $390,536 |
| 56 | MANUF FERTIL & MATERIALS | 3,213 | $293,770 | 89 | MISC MANUF ARTICLES | 995 | $490,576 |
| 58 | SYN RESINS,CELLU&PLASTIC | 1,996 | $3,156,351 | 43 | FATTY ACIDS,WAXES & OILS | 496 | $244,387 |
| 54 | MED & PHARM PRODUCTS | 856 | $361,195 | 93 | SPECIAL TRANSACTIONS NEC | 209 | $454,289 |
| 89 | MISC MANUF ARTICLES | 79 | $500,756 | 01 | MEAT & MEAT PREPARATIONS | 51 | $84,809 |
| 62 | TIRES AND TUBES FOR TIRES | 54 | $156,213 | 78 | ROAD VEHICLES & PARTS | 1 | $1,221 |
| | ALL OTHER COMMODITIES | 100 | $2,152,895 | | ALL OTHER COMMODITIES | | $289 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 513,883 | $136,739,091 | 35,760 | $5,515,781 |
| IMPORTS | 227,566 | $36,365,606 | 1 | $1,510 |
| TOTAL I/O | 741,449 | $173,104,697 | 35,761 | $5,517,291 |

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## TRADE ROUTE 16 ATL. & GULF/AUSTRALIA & NEW ZEALAND

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS |  |  |  | IMPORTS |  |  |  |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 435,977 | $15,710,677 | 28 | METALLIFEROUS ORE&SCRAPS | 1,264,589 | $273,140,915 |
| 56 | MANUF FERTIL & MATERIALS | 399,670 | $64,469,038 | 06 | SUGAR,MOLASSES,& HONEY | 225,522 | $94,150,051 |
| 52 | INORGANIC CHEMICALS | 220,019 | $22,233,040 | 67 | IRON AND STEEL | 71,130 | $27,218,843 |
| 33 | PETROLEUM&PETROLEUM PROD | 132,330 | $18,292,887 | 01 | MEAT & MEAT PREPARATIONS | 35,525 | $70,120,429 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 39,338 | $9,383,819 | 56 | MANUF FERTIL & MATERIALS | 18,599 | $1,767,368 |
| 08 | FEED-STUFF FOR ANIMALS | 33,503 | $8,318,757 | 68 | NONFERROUS METALS | 11,730 | $4,586,550 |
| 64 | PAPER,PAPERBOARD & MANUF | 29,064 | $12,063,971 | 05 | FRUIT AND VEGETABLES | 7,806 | $5,317,424 |
| 32 | COAL,COKE AND BRIQUETS | 17,760 | $1,353,378 | 26 | TEXTILE FIBERS & WASTE | 3,735 | $8,014,661 |
| 72 | MACH FOR SPECIALIZED INDU | 2,698 | $14,540,496 | 27 | CRUDE FERTILIZER&MINERAL | 1,653 | $1,851,142 |
| 67 | IRON AND STEEL | 2,476 | $3,471,524 | 59 | CHEMICAL PROD & MATERIAL | 833 | $958,965 |
|  | ALL OTHER COMMODITIES | 8,525 | $100,737,434 |  | ALL OTHER COMMODITIES | 3,931 | $13,464,509 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,321,360 | $270,575,021 | 1,592 | $3,237,973 |
| IMPORTS | 1,645,053 | $500,590,857 | 4 | $5,962 |
| TOTAL I/O | 2,966,413 | $771,165,878 | 1,596 | $3,243,935 |

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## TRADE ROUTE 16

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,204,620 | $1,645,400,014 | 50,966 | $62,816,600 |
| IMPORTS | 2,383,643 | $1,681,021,801 | 37,466 | $86,573,497 |
| TOTAL I/O | 4,588,263 | $3,326,421,815 | 88,432 | $149,390,097 |

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## TRADE ROUTE 17 ATL., GULF, PAC./INDO., MALAY. & SING.

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 58 | SYN RESINS,CELLU$PLASTIC | 198,785 | $170,648,891 | 23 | RUBBER-CRUDE & SYNTHETIC | 550,137 | $495,284,205 |
| 04 | CEREALS & CEREAL PREPS | 98,249 | $27,873,342 | 07 | COFFEE,COCOA,TEA&SPICES | 130,192 | $275,168,606 |
| 05 | FRUIT AND VEGETABLES | 80,906 | $51,521,556 | 05 | FRUIT AND VEGETABLES | 37,738 | $28,035,440 |
| 64 | PAPER,PAPERBOARD & MANUF | 61,017 | $37,138,682 | 63 | WOOD AND CORK MANUF | 34,671 | $31,921,439 |
| 26 | TEXTILE FIBERS & WASTE | 56,103 | $87,053,926 | 76 | TELEC,RECOR & REPRO EQUIP | 31,468 | $396,949,699 |
| 25 | PULP AND WASTEPAPER | 47,963 | $12,886,999 | 84 | CLOTHING AND ACCESSORIES | 29,469 | $285,648,718 |
| 72 | MACH FOR SPECIALIZED INDU | 41,112 | $379,258,437 | 03 | FISH & FISH PREPARATIONS | 24,909 | $68,382,036 |
| 59 | CHEMICAL PROD & MATERIAL | 36,399 | $63,988,673 | 24 | WOOD,LUMBER AND CORK | 22,359 | $13,614,970 |
| 51 | ORGANIC CHEMICALS | 35,045 | $55,348,373 | 77 | ELEC MACH,APPAR & APPL | 17,344 | $148,411,965 |
| 33 | PETROLEUM&PETROLEUM PROD | 26,097 | $22,474,596 | 89 | MISC MANUF ARTICLES | 16,389 | $76,742,971 |
| | ALL OTHER COMMODITIES | 294,378 | $1,143,084,320 | | ALL OTHER COMMODITIES | 124,988 | $586,697,182 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 976,054 | $2,051,277,795 | 138,462 | $199,814,650 |
| IMPORTS | 1,019,664 | $2,406,857,231 | 325,871 | $639,753,091 |
| TOTAL I/O | 1,995,718 | $4,458,135,026 | 464,333 | $839,567,741 |

## TRADE ROUTE 17 ATL., GULF, PAC./INDO., MALAY. & SING.

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 2,396,426 | $421,701,829 | 33 | PETROLEUM&PETROLEUM PROD | 11,130,223 | $2,573,668,344 |
| 52 | INORGANIC CHEMICALS | 107,367 | $28,368,109 | 42 | VEGETABLE OILS & FATS | 238,756 | $108,767,389 |
| 51 | ORGANIC CHEMICALS | 97,947 | $46,754,730 | 23 | RUBBER-CRUDE & SYNTHETIC | 29,698 | $20,472,558 |
| 59 | CHEMICAL PROD & MATERIAL | 36,614 | $54,357,443 | 06 | SUGAR,MOLASSES,& HONEY | 10,039 | $204,481 |
| 42 | VEGETABLE OILS & FATS | 9,617 | $5,960,463 | 43 | FATTY ACIDS,WAXES & OILS | 1,128 | $634,252 |
| 54 | MED & PHARM PRODUCTS | 2,923 | $824,058 | 77 | ELEC MACH,APPAR & APPL | 147 | $827,012 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 905 | $678,773 | 07 | COFFEE,COCOA,TEA&SPICES | 82 | $114,655 |
| 58 | SYN RESINS,CELLU&PLASTIC | 515 | $385,175 | 84 | CLOTHING AND ACCESSORIES | 23 | $298,545 |
| 05 | FRUIT AND VEGETABLES | 80 | $45,500 | 82 | FURNITURE | 19 | $36,253 |
| 74 | GENERAL IND MACH & EQUIP | 57 | $456,291 | 89 | MISC MANUF ARTICLES | 18 | $67,174 |
| | ALL OTHER COMMODITIES | 188 | $1,188,245 | | ALL OTHER COMMODITIES | 34 | $121,460 |

## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,652,639 | $560,720,616 | 0 | $0 |
| IMPORTS | 11,410,167 | $2,705,212,123 | 656,631 | $148,385,595 |
| TOTAL I/O | 14,062,806 | $3,265,932,739 | 656,631 | $148,385,595 |

## TRADE ROUTE 17 ATL., GULF, PAC./INDO., MALAY. & SING.

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,310,186 | $217,724,423 | 63 | WOOD AND CORK MANUF | 313,111 | $150,592,923 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 453,127 | $117,963,264 | 33 | PETROLEUM&PETROLEUM PROD | 79,804 | $20,370,559 |
| 27 | CRUDE FERTILIZER&MINERAL | 131,412 | $5,961,498 | 23 | RUBBER-CRUDE & SYNTHETIC | 50,210 | $44,212,402 |
| 28 | METALLIFEROUS ORE&SCRAPS | 129,010 | $11,567,629 | 24 | WOOD,LUMBER AND CORK | 32,261 | $6,761,328 |
| 52 | INORGANIC CHEMICALS | 100,079 | $9,684,727 | 07 | COFFEE,COCOA,TEA&SPICES | 21,454 | $36,387,790 |
| 56 | MANUF FERTIL & MATERIALS | 96,077 | $10,427,722 | 42 | VEGETABLE OILS & FATS | 2,928 | $1,412,728 |
| 33 | PETROLEUM&PETROLEUM PROD | 80,881 | $13,974,911 | 67 | IRON AND STEEL | 2,787 | $2,032,647 |
| 08 | FEED-STUFF FOR ANIMALS | 44,499 | $11,572,606 | 77 | ELEC MACH,APPAR & APPL | 608 | $4,260,814 |
| 25 | PULP AND WASTEPAPER | 43,455 | $13,739,176 | 05 | FRUIT AND VEGETABLES | 561 | $549,203 |
| 66 | NONMETALLIC MINERAL MANU | 22,183 | $3,769,217 | 82 | FURNITURE | 541 | $1,075,050 |
| | ALL OTHER COMMODITIES | 23,973 | $46,405,874 | | ALL OTHER COMMODITIES | 2,560 | $13,426,639 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,434,882 | $462,791,047 | 1,203 | $4,352,672 |
| IMPORTS | 506,825 | $281,082,083 | 0 | $36,821 |
| TOTAL I/O | 2,941,707 | $743,873,130 | 1,203 | $4,389,493 |

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## TRADE ROUTE 17

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 6,063,575 | $3,074,789,458 | 139,665 | $204,167,322 |
| IMPORTS | 12,936,656 | $5,393,151,437 | 982,502 | $788,175,507 |
| TOTAL I/O | 19,000,231 | $8,467,940,895 | 1,122,167 | $992,342,829 |

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## TRADE ROUTE 15 ATL. & GULF/INDIA, PER. GULF & RED SEA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 485,656 | $171,255,759 |
| 74 | GENERAL IND MACH & EQUIP | 205,825 | $1,075,276,103 |
| 67 | IRON AND STEEL | 160,159 | $151,442,828 |
| 58 | SYN RESINS,CELLU&PLASTIC | 101,457 | $84,763,598 |
| 66 | NONMETALLIC MINERAL MANU | 92,629 | $105,707,216 |
| 69 | MANUFACTURES OF METAL | 89,449 | $329,785,483 |
| 78 | ROAD VEHICLES & PARTS | 80,362 | $505,951,364 |
| 77 | ELEC MACH,APPAR & APPL | 74,114 | $414,339,330 |
| 72 | MACH FOR SPECIALIZED INDU | 69,608 | $571,241,007 |
| 64 | PAPER,PAPERBOARD & MANUF | 64,124 | $66,426,631 |
|  | ALL OTHER COMMODITIES | 859,244 | $2,811,953,520 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 65 | TEXTILE YARN,FABRIC&PROD | 135,098 | $167,082,663 |
| 07 | COFFEE,COCOA,TEA&SPICES | 49,871 | $119,575,362 |
| 29 | ANIMAL&VEGETA MATERIALS | 41,270 | $53,402,881 |
| 69 | MANUFACTURES OF METAL | 28,147 | $30,476,695 |
| 05 | FRUIT AND VEGETABLES | 22,678 | $68,740,913 |
| 26 | TEXTILE FIBERS & WASTE | 13,417 | $3,577,756 |
| 03 | FISH & FISH PREPARATIONS | 11,705 | $49,256,816 |
| 67 | IRON AND STEEL | 10,202 | $5,585,530 |
| 68 | NONFERROUS METALS | 9,803 | $14,168,556 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 7,759 | $7,530,206 |
|  | ALL OTHER COMMODITIES | 46,868 | $170,497,362 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,282,627 | $6,288,042,839 | 374,428 | $534,504,972 |
| IMPORTS | 376,817 | $689,894,740 | 194,713 | $365,515,920 |
| TOTAL I/O | 2,659,444 | $6,977,937,579 | 569,141 | $900,020,892 |

## TRADE ROUTE 18 ATL. & GULF/INDIA, PER. GULF & RED SEA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 288,851 | $42,769,610 | 33 | PETROLEUM&PETROLEUM PROD | 7,333,876 | $1,898,081,324 |
| 42 | VEGETABLE OILS & FATS | 215,277 | $122,271,855 | 34 | GAS-NATURAL & MANUF | 111,958 | $30,950,812 |
| 52 | INORGANIC CHEMICALS | 207,438 | $29,738,730 | 42 | VEGETABLE OILS & FATS | 12,264 | $9,284,362 |
| 41 | ANIMAL OILS AND FATS | 121,322 | $48,695,708 | 51 | ORGANIC CHEMICALS | 2,653 | $1,776,832 |
| 33 | PETROLEUM&PETROLEUM PROD | 53,226 | $17,389,512 | 59 | CHEMICAL PROD & MATERIAL | 2,168 | $876,648 |
| 51 | ORGANIC CHEMICALS | 42,313 | $16,681,537 | 28 | METALLIFEROUS ORE&SCRAPS | 145 | $16,227 |
| 59 | CHEMICAL PROD & MATERIAL | 7,342 | $18,123,641 | 93 | SPECIAL TRANSACTIONS NEC | 36 | $58,290 |
| 09 | MISC FOOD PREPARATIONS | 4,307 | $1,708,104 | 27 | CRUDE FERTILIZER&MINERAL | 3 | $2,160 |
| 58 | SYN RESINS,CELLU&PLASTIC | 3,250 | $1,926,604 | 79 | TRANSPORT EQUIP-RAIL,AIR, | 3 | $4,379 |
| 74 | GENERAL IND MACH & EQUIP | 412 | $629,368 | 76 | TELEC,RECOR & REPRO EQUIP |  | $4,500 |
|  | ALL OTHER COMMODITIES | 1,488 | $7,408,663 |  |  |  |  |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 945,226 | $307,343,332 | 328,047 | $69,107,627 |
| IMPORTS | 7,463,106 | $1,941,055,534 | 172,454 | $36,555,728 |
| TOTAL I/O | 8,408,332 | $2,248,398,866 | 500,501 | $105,663,355 |

## TRADE ROUTE 18 ATL. & GULF/INDIA, PER. GULF & RED SEA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 4,196,602 | $799,637,512 | 56 | MANUF FERTIL & MATERIALS | 62,073 | $8,984,082 |
| 56 | MANUF FERTIL & MATERIALS | 628,723 | $112,227,771 | 06 | SUGAR,MOLASSES,& HONEY | 25,824 | $11,008,640 |
| 28 | METALLIFEROUS ORE&SCRAPS | 351,222 | $30,661,611 | 27 | CRUDE FERTILIZER&MINERAL | 21,770 | $1,025,121 |
| 27 | CRUDE FERTILIZER&MINERAL | 313,950 | $21,891,261 | 65 | TEXTILE YARN,FABRIC&PROD | 5,284 | $3,840,496 |
| 77 | ELEC MACH,APPAR & APPL | 187,216 | $72,819,869 | 29 | ANIMAL&VEGETA MATERIALS | 4,407 | $3,476,140 |
| 33 | PETROLEUM&PETROLEUM PROD | 136,078 | $20,654,220 | 05 | FRUIT AND VEGETABLES | 1,069 | $3,775,653 |
| 08 | FEED-STUFF FOR ANIMALS | 98,316 | $24,220,598 | 26 | TEXTILE FIBERS & WASTE | 677 | $103,811 |
| 78 | ROAD VEHICLES & PARTS | 87,618 | $485,279,741 | 33 | PETROLEUM&PETROLEUM PROD | 634 | $90,427 |
| 32 | COAL,COKE AND BRIQUETS | 51,587 | $3,732,848 | 28 | METALLIFEROUS ORE&SCRAPS | 368 | $322,467 |
| 64 | PAPER,PAPERBOARD & MANUF | 39,305 | $12,702,877 | 07 | COFFEE,COCOA,TEA&SPICES | 348 | $769,461 |
| | ALL OTHER COMMODITIES | 248,164 | $723,880,234 | | ALL OTHER COMMODITIES | 1,182 | $2,632,674 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 6,338,781 | $2,307,708,542 | 272,247 | $57,754,417 |
| IMPORTS | 123,636 | $36,028,972 | 105 | $17,725 |
| TOTAL I/O | 6,462,417 | $2,343,737,514 | 272,352 | $57,772,142 |

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## TRADE ROUTE 18

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 9,566,634 | $8,903,094,713 | 974,722 | $661,367,016 |
| IMPORTS | 7,963,559 | $2,666,979,246 | 367,272 | $402,089,373 |
| TOTAL I/O | 17,530,193 | $11,570,073,959 | 1,341,994 | $1,063,456,389 |

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## TRADE ROUTE 19 GULF/CARIBBEAN

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 643,462 | $116,957,388 | 05 | FRUIT AND VEGETABLES | 143,481 | $38,678,346 |
| 58 | SYN RESINS,CELLU&PLASTIC | 136,660 | $109,609,789 | 07 | COFFEE,COCOA,TEA&SPICES | 61,731 | $175,052,010 |
| 51 | ORGANIC CHEMICALS | 62,598 | $89,773,824 | 28 | METALLIFEROUS ORE&SCRAPS | 23,241 | $11,217,725 |
| 64 | PAPER,PAPERBOARD & MANUF | 57,949 | $39,063,280 | 06 | SUGAR,MOLASSES,& HONEY | 21,761 | $10,496,140 |
| 33 | PETROLEUM&PETROLEUM PROD | 50,585 | $28,078,672 | 27 | CRUDE FERTILIZER&MINERAL | 9,922 | $238,119 |
| 67 | IRON AND STEEL | 39,636 | $44,497,447 | 52 | INORGANIC CHEMICALS | 8,468 | $1,821,078 |
| 08 | FEED-STUFF FOR ANIMALS | 33,997 | $9,983,164 | 68 | NONFERROUS METALS | 7,857 | $13,846,074 |
| 59 | CHEMICAL PROD & MATERIAL | 32,856 | $67,714,491 | 33 | PETROLEUM&PETROLEUM PROD | 5,028 | $1,327,112 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 32,340 | $9,072,148 | 63 | WOOD AND CORK MANUF | 4,981 | $3,846,065 |
| 52 | INORGANIC CHEMICALS | 30,574 | $21,427,762 | 01 | MEAT & MEAT PREPARATIONS | 4,882 | $10,615,418 |
| | ALL OTHER COMMODITIES | 261,256 | $545,956,422 | | ALL OTHER COMMODITIES | 29,078 | $64,978,864 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,381,913 | $1,082,034,387 | 195,469 | $323,561,180 |
| IMPORTS | 320,430 | $332,116,951 | 35,888 | $65,108,828 |
| TOTAL I/O | 1,702,343 | $1,414,151,338 | 231,357 | $388,670,008 |

## TRADE ROUTE 19 GULF/CARIBBEAN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 1,086,030 | $182,209,820 | 33 | PETROLEUM&PETROLEUM PROD | 47,521,388 | $9,797,372,211 |
| 51 | ORGANIC CHEMICALS | 599,407 | $311,158,805 | 52 | INORGANIC CHEMICALS | 1,240,100 | $154,207,875 |
| 52 | INORGANIC CHEMICALS | 586,072 | $40,500,407 | 34 | GAS-NATURAL & MANUF | 568,319 | $128,026,819 |
| 42 | VEGETABLE OILS & FATS | 230,373 | $125,713,886 | 59 | CHEMICAL PROD & MATERIAL | 404,206 | $124,544,118 |
| 34 | GAS-NATURAL & MANUF | 203,600 | $59,003,473 | 06 | SUGAR,MOLASSES,& HONEY | 210,857 | $11,181,836 |
| 41 | ANIMAL OILS AND FATS | 113,908 | $47,962,218 | 51 | ORGANIC CHEMICALS | 48,147 | $20,948,648 |
| 59 | CHEMICAL PROD & MATERIAL | 41,571 | $43,276,966 | 67 | IRON AND STEEL | 2,595 | $673,897 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 21,657 | $5,018,251 | 93 | SPECIAL TRANSACTIONS NEC | 1,706 | $2,790,592 |
| 64 | PAPER,PAPERBOARD & MANUF | 12,028 | $3,646,742 | 42 | VEGETABLE OILS & FATS | 1,476 | $955,000 |
| 24 | WOOD,LUMBER AND CORK | 11,683 | $3,594,593 | 71 | POWER GENERATING MACH | 10 | $56,700 |
| | ALL OTHER COMMODITIES | 21,645 | $10,474,406 | | ALL OTHER COMMODITIES | 12 | $39,231 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,927,974 | $832,559,567 | 187,086 | $31,063,468 |
| IMPORTS | 49,998,820 | $10,240,794,925 | 7,777,072 | $1,758,700,391 |
| TOTAL I/O | 52,926,794 | $11,073,354,492 | 7,964,158 | $1,789,763,859 |

## TRADE ROUTE 19 GULF/CARIBBEAN

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 6,636,994 | $963,017,209 | 28 | METALLIFEROUS ORE&SCRAPS | 3,863,112 | $168,016,010 |
| 27 | CRUDE FERTILIZER&MINERAL | 678,244 | $23,374,107 | 27 | CRUDE FERTILIZER&MINERAL | 1,792,900 | $10,117,868 |
| 08 | FEED-STUFF FOR ANIMALS | 601,719 | $158,996,827 | 05 | FRUIT AND VEGETABLES | 891,327 | $167,889,669 |
| 56 | MANUF FERTIL & MATERIALS | 523,091 | $79,114,710 | 06 | SUGAR,MOLASSES,& HONEY | 315,737 | $128,869,349 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 507,980 | $132,757,527 | 66 | NONMETALLIC MINERAL MANU | 187,513 | $6,063,652 |
| 52 | INORGANIC CHEMICALS | 338,575 | $40,785,689 | 67 | IRON AND STEEL | 136,772 | $36,984,719 |
| 64 | PAPER,PAPERBOARD & MANUF | 250,075 | $77,966,703 | 56 | MANUF FERTIL & MATERIALS | 125,219 | $14,131,167 |
| 33 | PETROLEUM&PETROLEUM PROD | 219,497 | $53,273,041 | 68 | NONFERROUS METALS | 14,093 | $20,494,802 |
| 58 | SYN RESINS,CELLU&PLASTIC | 174,541 | $100,206,976 | 93 | SPECIAL TRANSACTIONS NEC | 13,826 | $33,075,795 |
| 67 | IRON AND STEEL | 101,626 | $89,069,773 | 33 | PETROLEUM&PETROLEUM PROD | 8,680 | $2,585,474 |
| | ALL OTHER COMMODITIES | 522,446 | $577,028,541 | | ALL OTHER COMMODITIES | 45,012 | $103,971,998 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 10,554,788 | $2,295,491,103 | 208,027 | $185,699,884 |
| IMPORTS | 7,394,191 | $690,200,503 | 839,575 | $31,046,649 |
| TOTAL I/O | 17,948,979 | $2,985,691,606 | 1,047,602 | $216,746,533 |

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### TRADE ROUTE 19

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 14,864,675 | $4,210,085,057 | 590,582 | $540,324,532 |
| IMPORTS | 57,713,441 | $11,263,112,379 | 8,652,535 | $1,854,855,868 |
| TOTAL I/O | 72,578,116 | $15,473,197,436 | 9,243,117 | $2,395,180,400 |

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## TRADE ROUTE 20 GULF/E. COAST S. AMERICA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 51 | ORGANIC CHEMICALS | 49,984 | $85,655,570 | 67 | IRON AND STEEL | 220,223 | $91,403,511 |
| 52 | INORGANIC CHEMICALS | 40,611 | $30,557,967 | 07 | COFFFE,COCOA,TEA&SPICES | 85,819 | $239,642,508 |
| 56 | MANUF FERTIL & MATERIALS | 29,877 | $5,035,415 | 64 | PAPER,PAPERBOARD & MANUF | 51,097 | $12,616,161 |
| 59 | CHEMICAL PROD & MATERIAL | 26,441 | $52,141,163 | 01 | MEAT & MEAT PREPARATIONS | 22,481 | $60,353,125 |
| 58 | SYN RESINS,CELLU&PLASTIC | 25,198 | $31,184,472 | 24 | WOOD,LUMBER AND CORK | 21,139 | $9,297,563 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 21,924 | $34,706,552 | 05 | FRUIT AND VEGETABLES | 14,457 | $14,102,961 |
| 33 | PETROLEUM&PETROLEUM PROD | 16,986 | $9,440,083 | 69 | MANUFACTURES OF METAL | 13,343 | $18,206,321 |
| 72 | MACH FOR SPECIALIZED INDU | 14,433 | $149,095,921 | 65 | TEXTILE YARN,FABRIC&PROD | 11,068 | $10,772,973 |
| 04 | CEREALS & CEREAL PREPS | 13,580 | $2,599,500 | 58 | SYN RESINS,CELLU&PLASTIC | 9,064 | $5,148,775 |
| 67 | IRON AND STEEL | 8,325 | $10,351,677 | 68 | NONFERROUS METALS | 8,761 | $14,003,064 |
| | ALL OTHER COMMODITIES | 49,629 | $127,436,172 | | ALL OTHER COMMODITIES | 78,062 | $166,134,565 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 296,988 | $538,204,492 | 89,953 | $191,953,743 |
| IMPORTS | 535,514 | $641,681,507 | 314,457 | $352,825,655 |
| TOTAL I/O | 832,502 | $1,179,885,999 | 404,410 | $544,779,398 |

## TRADE ROUTE 20 GULF/E. COAST S. AMERICA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 130,048 | $23,491,981 |
| 51 | ORGANIC CHEMICALS | 97,452 | $76,997,918 |
| 04 | CEREALS & CEREAL PREPS | 54,095 | $5,785,313 |
| 52 | INORGANIC CHEMICALS | 33,301 | $2,371,549 |
| 59 | CHEMICAL PROD & MATERIAL | 21,186 | $21,276,767 |
| 34 | GAS-NATURAL & MANUF | 19,281 | $5,885,297 |
| 56 | MANUF FERTIL & MATERIALS | 11,362 | $2,124,503 |
| 42 | VEGETABLE OILS & FATS | 1,220 | $1,026,038 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 475 | $472,663 |
| 66 | NONMETALLIC MINERAL MANU | 199 | $131,796 |
|  | ALL OTHER COMMODITIES | 11 | $124,134 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 51 | ORGANIC CHEMICALS | 345,447 | $143,464,531 |
| 33 | PETROLEUM&PETROLEUM PROD | 293,276 | $95,796,230 |
| 59 | CHEMICAL PROD & MATERIAL | 32,473 | $15,460,553 |
| 42 | VEGETABLE OILS & FATS | 22,949 | $10,615,281 |
| 74 | GENERAL IND MACH & EQUIP | 23 | $364,291 |
| 68 | NONFERROUS METALS | 16 | $19,473 |
| 72 | MACH FOR SPECIALIZED INDU | 2 | $33,966 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 348,630 | $139,687,959 | 0 | $0 |
| IMPORTS | 694,186 | $265,754,325 | 0 | $0 |
| TOTAL I/O | 1,042,816 | $405,442,284 | 0 | $0 |

## TRADE ROUTE 20 GULF/E. COAST S. AMERICA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 2,616,652 | $427,522,769 | 28 | METALLIFEROUS ORE&SCRAPS | 1,228,749 | $34,064,262 |
| 32 | COAL,COKE AND BRIQUETS | 334,770 | $18,404,530 | 67 | IRON AND STEEL | 304,297 | $86,606,343 |
| 56 | MANUF FERTIL & MATERIALS | 106,458 | $11,124,344 | 06 | SUGAR,MOLASSES,& HONEY | 136,109 | $39,910,270 |
| 27 | CRUDE FERTILIZER&MINERAL | 73,001 | $8,286,940 | 05 | FRUIT AND VEGETABLES | 71,079 | $84,752,702 |
| 33 | PETROLEUM&PETROLEUM PROD | 44,473 | $4,969,237 | 56 | MANUF FERTIL & MATERIALS | 39,214 | $5,100,110 |
| 52 | INORGANIC CHEMICALS | 15,350 | $3,293,121 | 24 | WOOD,LUMBER AND CORK | 28,826 | $7,628,739 |
| 28 | METALLIFEROUS ORE&SCRAPS | 4,021 | $633,436 | 65 | TEXTILE YARN,FABRIC&PROD | 13,972 | $10,451,786 |
| 67 | IRON AND STEEL | 2,804 | $1,884,373 | 32 | COAL,COKE AND BRIQUETS | 10,676 | $322,755 |
| 72 | MACH FOR SPECIALIZED INDU | 1,952 | $14,263,486 | 51 | ORGANIC CHEMICALS | 9,454 | $4,159,503 |
| 59 | CHEMICAL PROD & MATERIAL | 1,625 | $2,653,437 | 07 | COFFEE,COCOA,TEA&SPICES | 8,252 | $21,046,329 |
| | ALL OTHER COMMODITIES | 2,401 | $6,408,602 | | ALL OTHER COMMODITIES | 25,249 | $30,086,473 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,203,507 | $499,424,275 | 780 | $2,376,257 |
| IMPORTS | 1,875,877 | $324,129,272 | 649 | $1,028,452 |
| TOTAL I/O | 5,079,384 | $823,553,547 | 1,429 | $3,404,709 |

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### TRADE ROUTE 20

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,849,125 | $1,177,316,726 | 90,733 | $194,330,000 |
| IMPORTS | 3,105,577 | $1,231,565,104 | 315,106 | $353,854,107 |
| TOTAL I/O | 6,954,702 | $2,408,881,830 | 405,839 | $548,184,107 |

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## TRADE ROUTE 21 GULF/W. EUROPE

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 64 | PAPER,PAPERBOARD & MANUF | 334,367 | $140,065,244 | 67 | IRON AND STEEL | 459,385 | $217,361,392 |
| 25 | PULP AND WASTEPAPER | 192,772 | $82,272,139 | 11 | ALCOHOLIC & NON,BEVERAGE | 157,224 | $187,982,070 |
| 58 | SYN RESINS,CELLU&PLASTIC | 166,403 | $214,879,290 | 52 | INORGANIC CHEMICALS | 93,302 | $112,152,891 |
| 26 | TEXTILE FIBERS & WASTE | 142,190 | $226,093,137 | 64 | PAPER,PAPERBOARD & MANUF | 58,740 | $40,331,615 |
| 04 | CEREALS & CEREAL PREPS | 130,311 | $53,317,551 | 51 | ORGANIC CHEMICALS | 56,777 | $107,383,681 |
| 63 | WOOD AND CORK MANUF | 126,644 | $52,276,251 | 69 | MANUFACTURES OF METAL | 54,713 | $100,788,756 |
| 51 | ORGANIC CHEMICALS | 99,314 | $276,665,094 | 66 | NONMETALLIC MINERAL MANU | 36,960 | $52,379,513 |
| 05 | FRUIT AND VEGETABLES | 89,112 | $109,341,148 | 07 | COFFEE,COCOA,TEA&SPICES | 32,691 | $70,762,336 |
| 27 | CRUDE FERTILIZER&MINERAL | 80,496 | $24,038,939 | 72 | MACH FOR SPECIALIZED INDU | 31,475 | $208,449,933 |
| 68 | NONFERROUS METALS | 76,118 | $186,615,723 | 74 | GENERAL IND MACH & EQUIP | 31,065 | $163,517,358 |
| | ALL OTHER COMMODITIES | 707,897 | $2,033,274,986 | | ALL OTHER COMMODITIES | 299,183 | $996,903,952 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 2,145,624 | $3,396,619,500 | 675,021 | $1,084,108,600 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,309,515 | $2,256,018,497 | 531,387 | $801,760,619 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,455,139 | $5,652,637,997 | 1,206,408 | $1,885,869,219 |

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### TRADE ROUTE 21 GULF/W. EUROPE

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 2,094,738 | $434,683,911 | 33 | PETROLEUM&PETROLEUM PROD | 7,346,103 | $1,723,315,331 |
| 51 | ORGANIC CHEMICALS | 952,396 | $507,594,343 | 51 | ORGANIC CHEMICALS | 653,250 | $442,014,240 |
| 41 | ANIMAL OILS AND FATS | 277,337 | $98,705,336 | 59 | CHEMICAL PROD & MATERIAL | 51,166 | $65,694,332 |
| 34 | GAS-NATURAL & MANUF | 118,896 | $38,286,943 | 52 | INORGANIC CHEMICALS | 15,929 | $1,943,982 |
| 59 | CHEMICAL PROD & MATERIAL | 102,937 | $113,388,906 | 56 | MANUF FERTIL & MATERIALS | 10,580 | $779,375 |
| 42 | VEGETABLE OILS & FATS | 56,734 | $31,991,281 | 06 | SUGAR,MOLASSES,& HONEY | 10,185 | $5,440,575 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 52,514 | $12,184,580 | 93 | SPECIAL TRANSACTIONS NEC | 4,855 | $3,369,680 |
| 27 | CRUDE FERTILIZER&MINERAL | 45,293 | $1,757,327 | 42 | VEGETABLE OILS & FATS | 4,219 | $2,411,004 |
| 52 | INORGANIC CHEMICALS | 43,333 | $8,072,506 | 54 | MED & PHARM PRODUCTS | 1,032 | $607,080 |
| 04 | CEREALS & CEREAL PREPS | 36,085 | $5,747,769 | 58 | SYN RESINS,CELLU&PLASTIC | 206 | $284,298 |
| | ALL OTHER COMMODITIES | 21,716 | $15,171,991 | | ALL OTHER COMMODITIES | 153 | $848,989 |

---

### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,801,979 | $1,267,584,893 | 21 | $1,025,434 |
| IMPORTS | 8,097,678 | $2,246,708,886 | 712,585 | $163,267,058 |
| TOTAL I/O | 11,899,657 | $3,514,293,779 | 712,606 | $164,292,492 |

## TRADE ROUTE 21 GULF/W. EUROPE

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 08 | FEED-STUFF FOR ANIMALS | 9,034,104 | $1,670,350,163 | 67 | IRON AND STEEL | 714,085 | $233,264,416 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 7,957,698 | $2,093,338,322 | 56 | MANUF FERTIL & MATERIALS | 134,439 | $11,471,972 |
| 04 | CEREALS & CEREAL PREPS | 5,645,170 | $896,355,859 | 66 | NONMETALLIC MINERAL MANU | 113,932 | $5,139,274 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,160,207 | $166,484,162 | 78 | ROAD VEHICLES & PARTS | 70,331 | $730,799,383 |
| 33 | PETROLEUM&PETROLEUM PROD | 2,459,755 | $111,791,978 | 04 | CEREALS & CEREAL PREPS | 53,885 | $5,393,960 |
| 32 | COAL,COKE AND BRIQUETS | 2,329,030 | $107,518,564 | 27 | CRUDE FERTILIZER&MINERAL | 47,862 | $3,389,806 |
| 56 | MANUF FERTIL & MATERIALS | 1,080,398 | $174,385,552 | 68 | NONFERROUS METALS | 33,963 | $44,004,155 |
| 25 | PULP AND WASTEPAPER | 250,623 | $93,950,475 | 59 | CHEMICAL PROD & MATERIAL | 20,144 | $16,880,353 |
| 64 | PAPER,PAPERBOARD & MANUF | 78,286 | $21,502,747 | 52 | INORGANIC CHEMICALS | 18,104 | $20,472,397 |
| 05 | FRUIT AND VEGETABLES | 35,331 | $13,973,850 | 72 | MACH FOR SPECIALIZED INDU | 15,224 | $73,067,492 |
| | ALL OTHER COMMODITIES | 224,721 | $174,177,555 | | ALL OTHER COMMODITIES | 59,093 | $90,783,871 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 33,255,323 | $5,523,729,227 | 0 | $0 |
| IMPORTS | 1,281,062 | $1,234,667,077 | 460 | $2,901,604 |
| TOTAL I/O | 34,536,385 | $6,758,396,304 | 460 | $2,901,604 |

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## TRADE ROUTE 21

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 39,202,926 | $10,187,933,620 | 675,042 | $1,085,134,034 |
| IMPORTS | 10,688,255 | $5,737,394,460 | 1,244,632 | $967,929,281 |
| TOTAL I/O | 49,891,181 | $15,925,328,080 | 1,919,674 | $2,053,063,315 |

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## TRADE ROUTE 22 GULF/FAR EAST

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 58 | SYN RESINS,CELLU&PLASTIC | 164,312 | $117,077,511 | 69 | MANUFACTURES OF METAL | 35,510 | $29,939,234 |
| 51 | ORGANIC CHEMICALS | 62,349 | $42,035,185 | 67 | IRON AND STEEL | 31,184 | $25,353,141 |
| 25 | PULP AND WASTEPAPER | 28,217 | $7,590,957 | 27 | CRUDE FERTILIZER&MINERAL | 27,610 | $1,063,834 |
| 04 | CEREALS & CEREAL PREPS | 24,213 | $6,749,888 | 23 | RUBBER-CRUDE & SYNTHETIC | 26,894 | $23,406,774 |
| 52 | INORGANIC CHEMICALS | 15,178 | $4,948,838 | 68 | NONFERROUS METALS | 10,564 | $20,957,762 |
| 28 | METALLIFEROUS ORE&SCRAPS | 14,829 | $5,527,377 | 72 | MACH FOR SPECIALIZED INDU | 7,251 | $28,318,997 |
| 67 | IRON AND STEEL | 13,109 | $13,144,006 | 74 | GENERAL IND MACH & EQUIP | 6,725 | $28,859,099 |
| 26 | TEXTILE FIBERS & WASTE | 11,985 | $13,040,010 | 42 | VEGETABLE OILS & FATS | 6,082 | $2,559,729 |
| 71 | POWER GENERATING MACH | 10,635 | $101,893,164 | 63 | WOOD AND CORK MANUF | 4,505 | $3,309,612 |
| 59 | CHEMICAL PROD & MATERIAL | 9,659 | $33,501,384 | 66 | NONMETALLIC MINERAL MANU | 4,238 | $5,831,418 |
| | ALL OTHER COMMODITIES | 59,022 | $211,245,040 | | ALL OTHER COMMODITIES | 47,205 | $124,675,540 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 413,508 | $556,753,410 | 51,044 | $164,988,708 |
| IMPORTS | 207,768 | $294,275,140 | 79,915 | $122,225,477 |
| TOTAL I/O | 621,276 | $851,028,550 | 130,959 | $287,214,185 |

## TRADE ROUTE 22 GULF/FAR EAST

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 51 | ORGANIC CHEMICALS | 1,825,725 | $862,272,999 | 33 | PETROLEUM&PETROLEUM PROD | 215,669 | $53,033,952 |
| 33 | PETROLEUM&PETROLEUM PROD | 376,045 | $89,922,073 | 52 | INORGANIC CHEMICALS | 111,176 | $2,805,928 |
| 34 | GAS-NATURAL & MANUF | 237,523 | $72,261,155 | 42 | VEGETABLE OILS & FATS | 83,161 | $40,099,488 |
| 52 | INORGANIC CHEMICALS | 46,926 | $3,246,489 | 51 | ORGANIC CHEMICALS | 26,496 | $20,442,825 |
| 59 | CHEMICAL PROD & MATERIAL | 44,956 | $39,636,713 | 59 | CHEMICAL PROD & MATERIAL | 3,849 | $3,874,437 |
| 42 | VEGETABLE OILS & FATS | 21,932 | $11,879,294 | 55 | ESSEN.OILS,PERFUME&SOAPS | 2,988 | $3,090,551 |
| 41 | ANIMAL OILS AND FATS | 6,582 | $2,556,797 | 69 | MANUFACTURES OF METAL | 90 | $60,386 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 5,820 | $4,198,717 | 77 | ELEC MACH,APPAR & APPL | 81 | $342,125 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 1,563 | $818,829 | 75 | OFFICE MACH & ADP EQUIP | 18 | $213,149 |
| 58 | SYN RESINS,CELLU&PLASTIC | 1,362 | $883,913 | 74 | GENERAL IND MACH & EQUIP | 5 | $144,651 |
| | ALL OTHER COMMODITIES | 2,213 | $2,398,559 | | ALL OTHER COMMODITIES | 5 | $56,273 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,570,647 | $1,090,075,538 | 3,173 | $798,040 |
| IMPORTS | 443,535 | $124,163,795 | 1,592 | $1,320,240 |
| TOTAL I/O | 3,014,182 | $1,214,239,333 | 4,755 | $2,118,280 |

## TRADE ROUTE 22 GULF/FAR EAST

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 19,280,413 | $2,600,368,176 | 67 | IRON AND STEEL | 1,687,051 | $786,630,017 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 5,308,129 | $1,439,378,992 | 27 | CRUDE FERTILIZER&MINERAL | 754,153 | $29,388,857 |
| 32 | COAL,COKE AND BRIQUETS | 3,568,084 | $205,733,072 | 78 | ROAD VEHICLES & PARTS | 187,127 | $1,007,210,065 |
| 27 | CRUDE FERTILIZER&MINERAL | 3,105,082 | $119,352,979 | 63 | WOOD AND CORK MANUF | 107,653 | $79,882,432 |
| 56 | MANUF FERTIL & MATERIALS | 1,750,175 | $284,646,232 | 69 | MANUFACTURES OF METAL | 104,129 | $60,859,170 |
| 33 | PETROLEUM&PETROLEUM PROD | 602,331 | $18,380,397 | 28 | METALLIFEROUS ORE&SCRAPS | 52,578 | $5,007,288 |
| 28 | METALLIFEROUS ORE&SCRAPS | 411,286 | $32,263,535 | 56 | MANUF FERTIL & MATERIALS | 40,495 | $4,587,536 |
| 08 | FEED-STUFF FOR ANIMALS | 344,757 | $67,335,036 | 06 | SUGAR,MOLASSES,& HONEY | 22,800 | $9,354,800 |
| 25 | PULP AND WASTEPAPER | 242,344 | $84,224,369 | 05 | FRUIT AND VEGETABLES | 13,310 | $8,409,492 |
| 05 | FRUIT AND VEGETABLES | 86,752 | $26,627,387 | 73 | METALWORKING MACHINERY | 9,037 | $59,845,608 |
| | ALL OTHER COMMODITIES | 245,499 | $163,696,924 | | ALL OTHER COMMODITIES | 21,937 | $80,387,105 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 34,944,852 | $5,042,007,099 | 0 | $0 |
| IMPORTS | 3,000,270 | $2,131,562,370 | 543 | $434,295 |
| TOTAL I/O | 37,945,122 | $7,173,569,469 | 543 | $434,295 |

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### TRADE ROUTE 22

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 37,929,007 | $6,688,836,047 | 54,217 | $165,786,748 |
| IMPORTS | 3,651,573 | $2,550,001,305 | 82,040 | $123,980,012 |
| TOTAL I/O | 41,580,580 | $9,238,837,352 | 136,257 | $289,766,760 |

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## TRADE ROUTE 23 PAC./CARIBBEAN

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 05 | FRUIT AND VEGETABLES | 20,223 | $22,732,571 | 05 | FRUIT AND VEGETABLES | 4,760 | $1,177,286 |
| 27 | CRUDE FERTILIZER&MINERAL | 3,484 | $776,997 | 07 | COFFEE,COCOA,TEA&SPICES | 3,589 | $9,818,281 |
| 25 | PULP AND WASTEPAPER | 3,115 | $1,212,010 | 52 | INORGANIC CHEMICALS | 896 | $1,032,097 |
| 52 | INORGANIC CHEMICALS | 2,688 | $1,318,877 | 64 | PAPER,PAPERBOARD & MANUF | 814 | $563,578 |
| 64 | PAPER,PAPERBOARD & MANUF | 1,643 | $2,160,239 | 51 | ORGANIC CHEMICALS | 412 | $284,768 |
| 04 | CEREALS & CEREAL PREPS | 854 | $151,582 | 67 | IRON AND STEEL | 298 | $160,317 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 814 | $932,955 | 82 | FURNITURE | 217 | $342,909 |
| 78 | ROAD VEHICLES & PARTS | 579 | $4,715,590 | 66 | NONMETALLIC MINERAL MANU | 207 | $109,985 |
| 63 | WOOD AND CORK MANUF | 522 | $1,250,378 | 11 | ALCOHOLIC & NON,BEVERAGE | 196 | $413,888 |
| 29 | ANIMAL&VEGETA MATERIALS | 442 | $2,097,912 | 09 | MISC FOOD PREPARATIONS | 166 | $158,583 |
| | ALL OTHER COMMODITIES | 3,939 | $189,575,340 | | ALL OTHER COMMODITIES | 1,165 | $7,410,782 |

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 38,303 | $226,924,451 | 25,047 | $38,211,503 |
| IMPORTS | 12,720 | $21,472,474 | 1,288 | $2,650,762 |
| TOTAL I/O | 51,023 | $248,396,925 | 26,335 | $40,862,265 |

# TRADE ROUTE 23 PAC./CARIBBEAN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 518,759 | $106,992,373 | 33 | PETROLEUM&PETROLEUM PROD | 985,367 | $179,950,644 |
| 51 | ORGANIC CHEMICALS | 2,604 | $1,891,542 | 52 | INORGANIC CHEMICALS | 17,384 | $2,012,500 |
| | | | | 06 | SUGAR,MOLASSES,& HONEY | 14,676 | $723,112 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 521,363 | $108,883,915 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,017,427 | $182,686,256 | 180,100 | $29,472,393 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,538,790 | $291,570,171 | 180,100 | $29,472,393 |

## TRADE ROUTE 23 PAC./CARIBBEAN

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 25 | PULP AND WASTEPAPER | 31,848 | $10,755,382 | 28 | METALLIFEROUS ORE&SCRAPS | 278,909 | $96,760,315 |
| 27 | CRUDE FERTILIZER&MINERAL | 25,041 | $2,710,247 | 27 | CRUDE FERTILIZER&MINERAL | 79,312 | $617,542 |
| 04 | CEREALS & CEREAL PREPS | 18,404 | $3,137,725 | 67 | IRON AND STEEL | 43,855 | $11,268,184 |
| 24 | WOOD,LUMBER AND CORK | 10,640 | $3,306,372 | 56 | MANUF FERTIL & MATERIALS | 27,744 | $3,101,244 |
| 56 | MANUF FERTIL & MATERIALS | 5,669 | $955,837 | 05 | FRUIT AND VEGETABLES | 5,179 | $779,275 |
| 28 | METALLIFEROUS ORE&SCRAPS | 4,277 | $1,809,759 | 03 | FISH & FISH PREPARATIONS | 502 | $733,410 |
| 67 | IRON AND STEEL | 2,104 | $487,706 | 07 | COFFEE,COCOA,TEA&SPICES | 80 | $222,289 |
| 05 | FRUIT AND VEGETABLES | 1,289 | $1,061,760 | 11 | ALCOHOLIC & NON,BEVERAGE | 21 | $16,491 |
| 52 | INORGANIC CHEMICALS | 1,208 | $243,444 | 89 | MISC MANUF ARTICLES | 6 | $16,719 |
| 64 | PAPER,PAPERBOARD & MANUF | 1,060 | $772,195 | 82 | FURNITURE | 3 | $5,512 |
| | ALL OTHER COMMODITIES | 604 | $6,842,834 | | ALL OTHER COMMODITIES | 5 | $41,206 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 102,144 | $30,083,261 | 11 | $141,501 |
| IMPORTS | 435,615 | $113,562,187 | 22,628 | $6,086,637 |
| TOTAL I/O | 537,759 | $143,645,448 | 22,639 | $6,228,138 |

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### TRADE ROUTE 23

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 661,810 | $365,891,627 | 25,058 | $38,353,004 |
| IMPORTS | 1,465,762 | $317,720,917 | 204,016 | $38,209,792 |
| TOTAL I/O | 2,127,572 | $683,612,544 | 229,074 | $76,562,796 |

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## TRADE ROUTE 24 PAC./E. COAST S. AMERICA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 52 | INORGANIC CHEMICALS | 23,101 | $5,046,348 | 05 | FRUIT AND VEGETABLES | 27,800 | $27,254,053 |
| 05 | FRUIT AND VEGETABLES | 16,630 | $16,843,865 | 07 | COFFEE,COCOA,TEA&SPICES | 22,326 | $71,797,049 |
| 27 | CRUDE FERTILIZER&MINERAL | 6,522 | $2,008,900 | 01 | MEAT & MEAT PREPARATIONS | 17,912 | $39,916,030 |
| 64 | PAPER,PAPERBOARD & MANUF | 6,472 | $5,531,612 | 64 | PAPER,PAPERBOARD & MANUF | 9,120 | $2,009,935 |
| 56 | MANUF FERTIL & MATERIALS | 3,258 | $473,084 | 67 | IRON AND STEEL | 8,864 | $2,906,165 |
| 29 | ANIMAL&VEGETA MATERIALS | 1,355 | $11,059,799 | 09 | MISC FOOD PREPARATIONS | 4,785 | $1,187,378 |
| 68 | NONFERROUS METALS | 1,305 | $3,439,761 | 66 | NONMETALLIC MINERAL MANU | 4,309 | $2,364,106 |
| 25 | PULP AND WASTEPAPER | 1,115 | $619,847 | 51 | ORGANIC CHEMICALS | 3,164 | $2,622,259 |
| 24 | WOOD,LUMBER AND CORK | 719 | $261,202 | 03 | FISH & FISH PREPARATIONS | 2,738 | $3,637,574 |
| 67 | IRON AND STEEL | 705 | $262,332 | 78 | ROAD VEHICLES & PARTS | 2,287 | $5,318,595 |
| | ALL OTHER COMMODITIES | 5,775 | $42,302,237 | | ALL OTHER COMMODITIES | 20,121 | $45,715,972 |

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 66,957 | $87,848,987 | 31,711 | $58,529,162 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 123,426 | $204,729,114 | 71,718 | $148,678,537 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 190,383 | $292,578,101 | 103,429 | $207,207,699 |

TRADE ROUTE 24 PAC./E. COAST S. AMERICA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 52 | INORGANIC CHEMICALS | 14,756 | $1,132,749 | 51 | ORGANIC CHEMICALS | 63,189 | $21,553,251 |
| | | | | 42 | VEGETABLE OILS & FATS | 589 | $391,105 |
| | | | | 68 | NONFERROUS METALS | 104 | $174,068 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 14,756 | $1,132,749 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 63,882 | $22,118,424 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 78,638 | $23,251,173 | 0 | $0 |

# TRADE ROUTE 24 PAC./E. COAST S. AMERICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 52 | INORGANIC CHEMICALS | 62,055 | $5,721,699 |
| 25 | PULP AND WASTEPAPER | 1,415 | $823,478 |
| 56 | MANUF FERTIL & MATERIALS | 1,391 | $101,789 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 67 | IRON AND STEEL | 256,908 | $69,527,412 |
| 25 | PULP AND WASTEPAPER | 16,239 | $5,635,813 |
| 05 | FRUIT AND VEGETABLES | 4,067 | $3,973,821 |
| 09 | MISC FOOD PREPARATIONS | 2,556 | $873,811 |
| 24 | WOOD,LUMBER AND CORK | 1,720 | $83,623 |
| 64 | PAPER,PAPERBOARD & MANUF | 1,370 | $322,893 |
| 07 | COFFEE,COCOA,TEA&SPICES | 1,078 | $3,103,931 |
| 01 | MEAT & MEAT PREPARATIONS | 687 | $1,244,114 |
| 66 | NONMETALLIC MINERAL MANU | 351 | $205,234 |
| 68 | NONFERROUS METALS | 279 | $312,183 |
| | ALL OTHER COMMODITIES | 1,287 | $2,456,900 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 64,861 | $6,646,966 | 1,415 | $823,478 |
| IMPORTS | 284,542 | $87,739,735 | 3,313 | $738,772 |
| TOTAL I/O | 349,403 | $94,386,701 | 4,728 | $1,562,250 |

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## TRADE ROUTE 24

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 146,574 | $95,628,702 | 33,126 | $59,352,640 |
| IMPORTS | 471,850 | $314,587,273 | 75,031 | $149,417,309 |
| TOTAL I/O | 618,424 | $410,215,975 | 108,157 | $208,769,949 |

## TRADE ROUTE 25 PAC./W. COASTS MEXICO, CEN. & S. AMERICA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 05 | FRUIT AND VEGETABLES | 59,591 | $29,496,950 | 28 | METALLIFEROUS ORE&SCRAPS | 57,511 | $236,602,843 |
| 04 | CEREALS & CEREAL PREPS | 39,405 | $11,524,712 | 07 | COFFEE,COCOA,TEA&SPICES | 57,293 | $158,580,322 |
| 52 | INORGANIC CHEMICALS | 31,516 | $8,836,994 | 27 | CRUDE FERTILIZER&MINERAL | 29,979 | $463,680 |
| 64 | PAPER,PAPERBOARD & MANUF | 11,944 | $9,906,896 | 68 | NONFERROUS METALS | 15,707 | $49,453,726 |
| 02 | DAIRY PRODUCTS AND EGGS | 7,100 | $5,075,918 | 05 | FRUIT AND VEGETABLES | 14,137 | $8,509,196 |
| 27 | CRUDE FERTILIZER&MINERAL | 5,712 | $951,972 | 52 | INORGANIC CHEMICALS | 13,561 | $152,252,919 |
| 24 | WOOD,LUMBER AND CORK | 3,323 | $967,944 | 67 | IRON AND STEEL | 5,755 | $6,761,937 |
| 33 | PETROLEUM&PETROLEUM PROD | 2,967 | $3,095,628 | 03 | FISH & FISH PREPARATIONS | 5,061 | $30,470,074 |
| 29 | ANIMAL&VEGETA MATERIALS | 2,448 | $7,505,188 | 64 | PAPER,PAPERBOARD & MANUF | 5,020 | $2,082,297 |
| 44 | ANIMAL OILS & FATS N.S.P. | 1,889 | $1,266,867 | 29 | ANIMAL&VEGETA MATERIALS | 2,642 | $4,087,783 |
| | ALL OTHER COMMODITIES | 20,413 | $7[illegible],416,290 | | ALL OTHER COMMODITIES | 12,414 | $29,781,032 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 186,308 | $151,045,359 | 64,022 | $58,991,397 |
| IMPORTS | 219,080 | $679,045,809 | 77,741 | $294,803,021 |
| TOTAL I/O | 405,388 | $830,091,168 | 141,763 | $353,794,418 |

BEST CO[illegible] AVAILABLE

## TRADE ROUTE 25 PAC./W. COASTS MEXICO, CEN. & S. AMERICA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 104,549 | $25,216,576 | 33 | PETROLEUM&PETROLEUM PROD | 312,380 | $67,526,890 |
| 41 | ANIMAL OILS AND FATS | 32,848 | $12,997,416 | 52 | INORGANIC CHEMICALS | 124,018 | $17,630,781 |
| 51 | ORGANIC CHEMICALS | 27,513 | $20,770,668 | 06 | SUGAR,MOLASSES,& HONEY | 31,983 | $1,373,066 |
| 04 | CEREALS & CEREAL PREPS | 16,833 | $2,934,768 | 67 | IRON AND STEEL | 23 | $5,258 |
| 42 | VEGETABLE OILS & FATS | 5,757 | $2,724,595 | 71 | POWER GENERATING MACH | 1 | $2,650 |
| 66 | NONMETALLIC MINERAL MANU | 1,771 | $266,299 | 74 | GENERAL IND MACH & EQUIP | | $1,100 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 189,271 | $64,810,322 | 29,267 | $6,663,520 |
| IMPORTS | 468,405 | $86,539,745 | 0 | $1,600 |
| TOTAL I/O | 657,676 | $151,350,067 | 29,267 | $6,665,120 |

## TRADE ROUTE 25 PAC./W. COASTS MEXICO, CEN. & S. AMERICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 682,265 | $111,513,201 | 27 | CRUDE FERTILIZER&MINERAL | 2,133,287 | $21,678,204 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 41,887 | $10,205,494 | 05 | FRUIT AND VEGETABLES | 511,948 | $120,438,649 |
| 52 | INORGANIC CHEMICALS | 32,470 | $3,730,343 | 67 | IRON AND STEEL | 76,862 | $18,463,824 |
| 05 | FRUIT AND VEGETABLES | 8,060 | $3,918,360 | 66 | NONMETALLIC MINERAL MANU | 37,177 | $1,436,303 |
| 64 | PAPER,PAPERBOARD & MANUF | 4,837 | $4,005,627 | 28 | METALLIFEROUS ORE&SCRAPS | 23,397 | $137,518,867 |
| 25 | PULP AND WASTEPAPER | 2,964 | $863,524 | 68 | NONFERROUS METALS | 8,038 | $79,089,943 |
| 59 | CHEMICAL PROD & MATERIAL | 287 | $1,433,413 | 08 | FEED-STUFF FOR ANIMALS | 5,905 | $1,743,000 |
| 27 | CRUDE FERTILIZER&MINERAL | 207 | $48,159 | 07 | COFFEE,COCOA,TEA&SPICES | 5,736 | $17,083,108 |
| 72 | MACH FOR SPECIALIZED INDU | 197 | $1,988,902 | 52 | INORGANIC CHEMICALS | 4,933 | $57,457,167 |
| 26 | TEXTILE FIBERS & WASTE | 163 | $193,201 | 06 | SUGAR,MOLASSES,& HONEY | 2,570 | $120,119 |
| | ALL OTHER COMMODITIES | 1,017 | $4,982,302 | | ALL OTHER COMMODITIES | 2,294 | $2,212,393 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 774,354 | $142,882,526 | 3 | $10,831 |
| IMPORTS | 2,812,147 | $457,241,577 | 72 | $184,241 |
| TOTAL I/O | 3,586,501 | $600,124,103 | 75 | $195,072 |

---

## TRADE ROUTE 25

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,149,933 | $358,738,207 | 93,292 | $65,665,748 |
| IMPORTS | 3,499,632 | $1,222,827,131 | 77,813 | $294,988,862 |
| TOTAL I/C | 4,649,565 | $1,581,565,338 | 171,105 | $360,654,610 |

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TRADE ROUTE 26 PAC./W. EUROPE

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 05 | FRUIT AND VEGETABLES | 200,2[illegible]8 | $246,463,547 | 11 | ALCOHOLIC & NON,BEVERAGE | 220,800 | $263,444,092 |
| 25 | PULP AND WASTEPAPER | 99,[illegible] | $46,462,973 | 67 | IRON AND STEEL | 141,207 | $65,680,014 |
| 24 | WOOD,LUMBER AND CORK | 81,6[illegible]8 | $28,829,227 | 56 | MANUF FERTIL & MATERIALS | 97,827 | $11,550,467 |
| 63 | WOOD AND CORK MANUF | 62,062 | $39,583,615 | 64 | PAPER,PAPERBOARD & MANUF | 79,615 | $41,189,665 |
| 27 | CRUDE FERTILIZER&MINERAL | 48,040 | $15,303,108 | 66 | NONMETALLIC MINERAL MANU | 47,559 | $40,092,731 |
| 26 | TEXTILE FIBERS & WASTE | 43,732 | $60,921,811 | 82 | FURNITURE | 23,507 | $55,511,283 |
| 03 | FISH & FISH PREPARATIONS | 29,833 | $113,609,729 | 52 | INORGANIC CHEMICALS | 21,067 | $58,197,310 |
| 29 | ANIMAL&VEGETA MATERIALS | 13,163 | $30,026,581 | 05 | FRUIT AND VEGETABLES | 17,725 | $17,777,589 |
| 28 | METALLIFEROUS ORE&SCRAPS | 7,549 | $34,020,362 | 01 | MEAT & MEAT PREPARATIONS | 16,560 | $47,257,273 |
| 52 | INORGANIC CHEMICALS | 5,388 | $12,177,109 | 68 | NONFERROUS METALS | 16,377 | $39,858,482 |
| | ALL OTHER COMMODITIES | 68,367 | $559,617,359 | | ALL OTHER COMMODITIES | 201,540 | $801,994,205 |

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TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 659,892 | $1,187,015,421 | 1,397 | $18,733,816 |
| IMPORTS | 883,783 | $1,442,553,111 | 5,306 | $17,112,640 |
| TOTAL I/O | 1,543,675 | $2,629,568,532 | 6,703 | $35,846,456 |

## TRADE ROUTE 26 PAC./W. EUROPE

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

**EXPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 291,033 | $58,381,593 |
| 06 | SUGAR,MOLASSES,& HONEY | 62,322 | $3,356,650 |
| 51 | ORGANIC CHEMICALS | 41,789 | $22,791,189 |
| 41 | ANIMAL OILS AND FATS | 4,437 | $1,575,401 |
| 42 | VEGETABLE OILS & FATS | 3,827 | $3,050,343 |
| 09 | MISC FOOD PREPARATIONS | 616 | $294,901 |
| 26 | TEXTILE FIBERS & WASTE | 616 | $1,131,012 |
| 25 | PULP AND WASTEPAPER | 574 | $215,203 |
| 59 | CHEMICAL PROD & MATERIAL | 295 | $441,889 |
| 58 | SYN RESINS,CELLU&PLASTIC | 176 | $251,091 |
| | ALL OTHER COMMODITIES | 253 | $1,463,986 |

**IMPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 57,602 | $16,211,383 |
| 56 | MANUF FERTIL & MATERIALS | 23,966 | $2,282,840 |
| 51 | ORGANIC CHEMICALS | 13,013 | $5,220,023 |
| 52 | INORGANIC CHEMICALS | 4,505 | $621,532 |
| 59 | CHEMICAL PROD & MATERIAL | 982 | $364,210 |
| 66 | NONMETALLIC MINERAL MANU | 35 | $11,606 |
| 78 | ROAD VEHICLES & PARTS | 2 | $5,934 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 405,938 | $92,953,258 | 1,698 | $3,221,548 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 100,105 | $24,717,528 | 35 | $11,606 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 506,043 | $117,670,786 | 1,733 | $3,233,154 |

## TRADE ROUTE 26 PAC./W. EUROPE

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 1,424,519 | $73,475,609 | 67 | IRON AND STEEL | 406,206 | $132,639,846 |
| 27 | CRUDE FERTILIZER&MINERAL | 337,899 | $84,210,714 | 78 | ROAD VEHICLES & PARTS | 139,680 | $1,423,895,985 |
| 25 | PULP AND WASTEPAPER | 95,257 | $35,709,512 | 56 | MANUF FERTIL & MATERIALS | 112,876 | $9,575,847 |
| 63 | WOOD AND CORK MANUF | 87,905 | $39,037,157 | 64 | PAPER,PAPERBOARD & MANUF | 18,031 | $6,665,852 |
| 68 | NONFERROUS METALS | 54,908 | $89,879,966 | 68 | NONFERROUS METALS | 8,869 | $11,986,737 |
| 24 | WOOD,LUMBER AND CORK | 39,918 | $14,011,719 | 72 | MACH FOR SPECIALIZED INDU | 7,697 | $32,623,861 |
| 28 | METALLIFEROUS ORE&SCRAPS | 33,304 | $22,753,353 | 33 | PETROLEUM&PETROLEUM PROD | 5,964 | $1,696,822 |
| 05 | FRUIT AND VEGETABLES | 33,268 | $15,102,493 | 11 | ALCOHOLIC & NON,BEVERAGE | 4,222 | $6,024,447 |
| 52 | INORGANIC CHEMICALS | 22,536 | $17,422,655 | 79 | TRANSPORT EQUIP-RAIL,AIR, | 4,064 | $6,626,711 |
| 04 | CEREALS & CEREAL PREPS | 16,786 | $3,047,017 | 74 | GENERAL IND MACH & EQUIP | 3,251 | $15,327,021 |
| | ALL OTHER COMMODITIES | 11,404 | $19,054,557 | | ALL OTHER COMMODITIES | 8,775 | $15,951,293 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,157,704 | $413,704,752 | 411 | $740,610 |
| IMPORTS | 719,635 | $1,663,012,402 | 158 | $679,281 |
| TOTAL I/O | 2,877,339 | $2,076,717,154 | 569 | $1,419,891 |

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## TRADE ROUTE 26

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,223,534 | $1,693,673,431 | 3,506 | $22,695,974 |
| IMPORTS | 1,703,523 | $3,130,283,041 | 5,499 | $17,803,527 |
| TOTAL I/O | 4,927,057 | $4,823,956,472 | 9,005 | $40,499,501 |

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## TRADE ROUTE 27 PAC./AUSTRALIA & NEW ZEALAND

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

**EXPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 24 | WOOD,LUMBER AND CORK | 183,428 | $45,681,235 |
| 05 | FRUIT AND VEGETABLES | 51,145 | $52,806,199 |
| 64 | PAPER,PAPERBOARD & MANUF | 38,210 | $38,476,992 |
| 72 | MACH FOR SPECIALIZED INDU | 33,360 | $210,575,855 |
| 58 | SYN RESINS,CELLU&PLASTIC | 26,529 | $54,050,855 |
| 27 | CRUDE FERTILIZER&MINERAL | 19,454 | $6,010,055 |
| 52 | INORGANIC CHEMICALS | 19,413 | $14,639,363 |
| 74 | GENERAL IND MACH & EQUIP | 15,801 | $124,904,904 |
| 89 | MISC MANUF ARTICLES | 15,579 | $101,473,109 |
| 78 | ROAD VEHICLES & PARTS | 14,066 | $93,080,664 |
| | ALL OTHER COMMODITIES | 178,416 | $649,237,993 |

**IMPORTS**

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 01 | MEAT & MEAT PREPARATIONS | 96,261 | $206,337,163 |
| 67 | IRON AND STEEL | 80,225 | $35,481,906 |
| 66 | NONMETALLIC MINERAL MANU | 45,401 | $4,001,483 |
| 68 | NONFERROUS METALS | 25,970 | $39,433,538 |
| 59 | CHEMICAL PROD & MATERIAL | 21,156 | $48,678,237 |
| 03 | FISH & FISH PREPARATIONS | 15,168 | $93,838,089 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 13,752 | $8,537,248 |
| 05 | FRUIT AND VEGETABLES | 11,052 | $17,003,123 |
| 28 | METALLIFEROUS ORE&SCRAPS | 10,005 | $13,922,655 |
| 63 | WOOD AND CORK MANUF | 9,923 | $2,417,858 |
| | ALL OTHER COMMODITIES | 46,785 | $121,679,033 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 595,401 | $1,390,937,224 | 1,416 | $6,827,799 |
| IMPORTS | 375,698 | $591,330,333 | 67 | $5,109,898 |
| TOTAL I/O | 971,099 | $1,982,267,557 | 1,481 | $11,937,697 |

## TRADE ROUTE 27 PAC./AUSTRALIA & NEW ZEALAND

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 398,958 | $83,995,864 | 33 | PETROLEUM&PETROLEUM PROD | 79,646 | $19,509,179 |
| 42 | VEGETABLE OILS & FATS | 395 | $140,400 | 34 | GAS-NATURAL & MANUF | 40,898 | $13,342,029 |
| 03 | FISH & FISH PREPARATIONS | 1 | $19,815 | 36 | SUGAR,MOLASSES,& HONEY | 14,189 | $471,976 |
| | | | | 42 | VEGETABLE OILS & FATS | 1,565 | $655,284 |
| | | | | 67 | IRON AND STEEL | 1 | $25,390 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 399,354 | $84,156,079 | 1 | $19,815 |
| IMPORTS | 136,298 | $34,003,858 | 0 | $0 |
| TOTAL I/O | 535,652 | $118,159,937 | 1 | $19,815 |

## TRADE ROUTE 27 PAC./AUSTRALIA & NEW ZEALAND

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 245,195 | $29,861,619 | 28 | METALLIFEROUS ORE&SCRAPS | 1,923,363 | $394,156,947 |
| 56 | MANUF FERTIL & MATERIALS | 86,943 | $8,414,026 | 67 | IRON AND STEEL | 48,674 | $14,840,273 |
| 52 | INORGANIC CHEMICALS | 62,985 | $6,729,808 | 27 | CRUDE FERTILIZER&MINERAL | 40,123 | $441,323 |
| 24 | WOOD,LUMBER AND CORK | 53,334 | $13,632,355 | 32 | COAL,COKE AND BRIQUETS | 20,249 | $1,000,315 |
| 27 | CRUDE FERTILIZER&MINERAL | 47,531 | $4,387,169 | 68 | NONFERROUS METALS | 12,038 | $9,504,331 |
| 64 | PAPER,PAPERBOARD & MANUF | 14,252 | $7,469,419 | 05 | FRUIT AND VEGETABLES | 9,350 | $6,010,872 |
| 04 | CEREALS & CEREAL PREPS | 5,108 | $962,316 | 04 | CEREALS & CEREAL PREPS | 8,273 | $1,161,217 |
| 05 | FRUIT AND VEGETABLES | 3,773 | $1,885,179 | 03 | FISH & FISH PREPARATIONS | 276 | $804,592 |
| 63 | WOOD AND CORK MANUF | 1,645 | $760,840 | 93 | SPECIAL TRANSACTIONS NEC | 169 | $591,205 |
| 25 | PULP AND WASTEPAPER | 1,267 | $467,579 | 59 | CHEMICAL PROD & MATERIAL | 167 | $362,376 |
| | ALL OTHER COMMODITIES | 1,620 | $6,023,872 | | ALL OTHER COMMODITIES | 476 | $1,059,149 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 523,653 | $80,574,182 | 1,312 | $655,273 |
| IMPORTS | 2,063,158 | $429,930,598 | 7,446 | $1,209,570 |
| TOTAL I/O | 2,586,811 | $510,504,780 | 8,758 | $1,864,843 |

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### TRADE ROUTE 27

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,518,408 | $1,555,667,485 | 2,727 | $7,502,887 |
| IMPORTS | 2,575,154 | $1,055,264,789 | 7,513 | $6,319,468 |
| TOTAL I/O | 4,093,562 | $2,610,932,274 | 10,240 | $13,822,355 |

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## TRADE ROUTE 28 PAC./INDIA, PERSIAN GULF & RED SEA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 113,129 | $29,466,638 | 65 | TEXTILE YARN,FABRIC&PROD | 26,432 | $43,235,574 |
| 52 | INORGANIC CHEMICALS | 19,009 | $4,609,933 | 69 | MANUFACTURES OF METAL | 10,203 | $20,298,953 |
| 05 | FRUIT AND VEGETABLES | 17,282 | $12,771,584 | 07 | COFFEE,COCOA,TEA&SPICES | 6,599 | $14,047,203 |
| 74 | GENERAL IND MACH & EQUIP | 13,068 | $66,848,389 | 03 | FISH & FISH PREPARATIONS | 6,568 | $22,286,516 |
| 24 | WOOD,LUMBER AND CORK | 11,412 | $3,838,150 | 84 | CLOTHING AND ACCESSORIES | 5,708 | $52,097,253 |
| 02 | DAIRY PRODUCTS AND EGGS | 10,612 | $6,522,050 | 05 | FRUIT AND VEGETABLES | 2,891 | $8,475,490 |
| 27 | CRUDE FERTILIZER&MINERAL | 10,591 | $3,090,172 | 29 | ANIMAL&VEGETA MATERIALS | 2,610 | $4,188,622 |
| 67 | IRON AND STEEL | 7,959 | $9,454,035 | 66 | NONMETALLIC MINERAL MANU | 2,016 | $2,850,118 |
| 29 | ANIMAL&VEGETA MATERIALS | 4,776 | $9,140,464 | 67 | IRON AND STEEL | 2,001 | $1,202,493 |
| 69 | MANUFACTURES OF METAL | 4,499 | $16,212,253 | 26 | TEXTILE FIBERS & WASTE | 1,622 | $427,245 |
| | ALL OTHER COMMODITIES | 34,153 | $168,040,984 | | ALL OTHER COMMODITIES | 7,100 | $20,249,843 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 246,490 | $329,994,652 | 93,346 | $41,534,174 |
| IMPORTS | 73,750 | $189,359,310 | 38,229 | $148,279,892 |
| TOTAL I/O | 320,240 | $519,353,962 | 131,575 | $189,814,066 |

## TRADE ROUTE 28 PAC./INDIA, PERSIAN GULF & RED SEA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 40,155 | $6,264,715 | 33 | PETROLEUM&PETROLEUM PROD | 97,737 | $29,142,905 |
| 41 | ANIMAL OILS AND FATS | 8,993 | $3,264,356 | 59 | CHEMICAL PROD & MATERIAL | 25,850 | $8,109,476 |
| 33 | PETROLEUM&PETROLEUM PROD | 3,740 | $1,156,760 | 42 | VEGETABLE OILS & FATS | 2,990 | $1,460,975 |
| 51 | ORGANIC CHEMICALS | 1,968 | $1,183,000 | 03 | FISH & FISH PREPARATIONS | 12 | $46,782 |
| 67 | IRON AND STEEL | 178 | $118,085 | 69 | MANUFACTURES OF METAL | 1 | $6,446 |
| | | | | 71 | POWER GENERATING MACH | | $5,580 |

## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 55,034 | $11,966,916 | 40,155 | $6,264,715 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 126,590 | $38,772,164 | 13 | $58,808 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 181,624 | $50,739,080 | 40,168 | $6,323,523 |

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## TRADE ROUTE 28 PAC./INDIA, PERSIAN GULF & RED SEA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 2,970,170 | $509,573,591 | 07 | COFFFE,COCOA,TEA&SPICES | 135 | $346,986 |
| 27 | CRUDE FERTILIZER&MINERAL | 68,603 | $5,315,550 | 69 | MANUFACTURES OF METAL | 81 | $206,836 |
| 05 | FRUIT AND VEGETABLES | 47,665 | $26,326,777 | 65 | TEXTILE YARN,FABRIC&PROD | 71 | $264,048 |
| 28 | METALLIFEROUS ORE&SCRAPS | 19,460 | $1,727,602 | 29 | ANIMAL&VEGETA MATERIALS | 64 | $102,370 |
| 24 | WOOD,LUMBER AND CORK | 10,865 | $2,338,770 | 77 | ELEC MACH,APPAR & APPL | 58 | $51,797 |
| 52 | INORGANIC CHEMICALS | 6,743 | $1,219,979 | 66 | NONMETALLIC MINERAL MANU | 35 | $13,051 |
| 29 | ANIMAL&VEGETA MATERIALS | 5,894 | $2,665,029 | 59 | CHEMICAL PROD & MATERIAL | 20 | $19,913 |
| 63 | WOOD AND CORK MANUF | 1,739 | $1,029,752 | 67 | IRON AND STEEL | 16 | $28,973 |
| 69 | MANUFACTURES OF METAL | 1,291 | $4,287,421 | 84 | CLOTHING AND ACCESSORIES | 9 | $118,141 |
| 72 | MACH FOR SPECIALIZED INDU | 1,209 | $6,334,379 | 87 | PROF,SCIE, & CONTR APPAR | 8 | $150,506 |
| | ALL OTHER COMMODITIES | 3,274 | $8,681,716 | | ALL OTHER COMMODITIES | 5 | $32,853 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,136,913 | $569,500,566 | 153,992 | $29,073,987 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 502 | $1,335,474 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,137,415 | $570,836,040 | 153,992 | $29,073,987 |

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### TRADE ROUTE 28

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,438,437 | $911,462,134 | 287,493 | $76,872,876 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 200,842 | $229,466,948 | 38,242 | $148,338,700 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,639,279 | $1,140,929,082 | 325,735 | $225,211,576 |

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## TRADE ROUTE 29 PAC./FAR EAST

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 25 | PULP AND WASTEPAPER | 1,264,809 | $281,313,374 | 69 | MANUFACTURES OF METAL | 753,960 | $1,546,721,324 |
| 26 | TEXTILE FIBERS & WASTE | 812,068 | $1,174,884,861 | 89 | MISC MANUF ARTICLES | 633,479 | $3,153,318,766 |
| 05 | FRUIT AND VEGETABLES | 741,520 | $540,391,751 | 76 | TELEC,RECOR & REPRO EQUIP | 458,616 | $6,326,647,462 |
| 64 | PAPER,PAPERBOARD & MANUF | 707,614 | $391,615,960 | 78 | ROAD VEHICLES & PARTS | 446,020 | $2,191,391,851 |
| 24 | WOOD,LUMBER AND CORK | 664,070 | $162,087,272 | 84 | CLOTHING AND ACCESSORIES | 398,268 | $4,369,363,457 |
| 08 | FEED-STUFF FOR ANIMALS | 491,258 | $94,252,477 | 77 | ELEC MACH,APPAR & APPL | 328,950 | $2,075,393,088 |
| 58 | SYN RESINS,CELLU&PLASTIC | 431,360 | $557,475,060 | 66 | NONMETALLIC MINERAL MANU | 320,408 | $614,459,161 |
| 28 | METALLIFEROUS ORE&SCRAPS | 424,836 | $327,063,541 | 74 | GENERAL IND MACH & EQUIP | 301,293 | $1,234,334,156 |
| 21 | HIDES,SKINS & FURSKINS | 353,881 | $493,193,971 | 85 | FOOTWARE-NEW | 299,232 | $1,899,148,333 |
| 01 | MEAT & MEAT PREPARATIONS | 221,350 | $630,687,008 | 05 | FRUIT AND VEGETABLES | 266,887 | $383,353,673 |
| | ALL OTHER COMMODITIES | 1,940,777 | $6,560,605,973 | | ALL OTHER COMMODITIES | 2,401,874 | $10,113,580,619 |

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 8,053,543 | $11,213,571,248 | 1,964,833 | $3,548,630,530 |
| IMPORTS | 6,609,587 | $33,907,711,890 | 2,027,448 | $12,852,517,274 |
| TOTAL I/O | 14,663,130 | $45,121,283,138 | 3,992,281 | $16,401,147,804 |

## TRADE ROUTE 29 PAC./FAR EAST

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 3,767,951 | $691,758,366 |
| 34 | GAS-NATURAL & MANUF | 1,083,247 | $286,071,583 |
| 52 | INORGANIC CHEMICALS | 183,083 | $25,826,677 |
| 41 | ANIMAL OILS AND FATS | 147,505 | $60,981,939 |
| 51 | ORGANIC CHEMICALS | 44,328 | $24,747,543 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 29,086 | $1,000,329 |
| 56 | MANUF FERTIL & MATERIALS | 23,214 | $2,548,000 |
| 03 | FISH & FISH PREPARATIONS | 19,489 | $52,693,867 |
| 59 | CHEMICAL PROD & MATERIAL | 8,701 | $7,293,700 |
| 42 | VEGETABLE OILS & FATS | 7,500 | $4,221,423 |
|  | ALL OTHER COMMODITIES | 2,941 | $5,173,126 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 1,340,850 | $367,512,377 |
| 42 | VEGETABLE OILS & FATS | 225,750 | $114,719,296 |
| 51 | ORGANIC CHEMICALS | 44,233 | $16,824,562 |
| 06 | SUGAR,MOLASSES,& HONEY | 31,869 | $1,099,415 |
| 69 | MANUFACTURES OF METAL | 797 | $966,533 |
| 93 | SPECIAL TRANSACTIONS NEC | 612 | $4,112,912 |
| 59 | CHEMICAL PROD & MATERIAL | 497 | $175,460 |
| 89 | MISC MANUF ARTICLES | 449 | $1,138,948 |
| 67 | IRON AND STEEL | 340 | $199,796 |
| 76 | TELEC,RECOR & REPRO EQUIP | 205 | $1,843,233 |
|  | ALL OTHER COMMODITIES | 1,807 | $6,164,443 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 5,317,045 | $1,162,216,553 | 100,080 | $22,528,945 |
| IMPORTS | 1,647,409 | $514,756,975 | 38,202 | $12,674,742 |
| TOTAL I/O | 6,964,454 | $1,676,973,528 | 138,282 | $35,203,687 |

## TRADE ROUTE 29 PAC./FAR EAST

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 24 | WOOD,LUMBER AND CORK | 16,243,864 | $1,234,492,186 | 67 | IRON AND STEEL | 2,236,886 | $954,008,345 |
| 04 | CEREALS & CEREAL PREPS | 12,833,561 | $2,080,912,110 | 78 | ROAD VEHICLES & PARTS | 1,143,630 | $5,667,034,763 |
| 33 | PETROLEUM&PETROLEUM PROD | 2,800,376 | $130,396,711 | 69 | MANUFACTURES OF METAL | 117,414 | $110,354,847 |
| 28 | METALLIFEROUS ORE&SCRAPS | 1,974,582 | $210,619,590 | 63 | WOOD AND CORK MANUF | 77,053 | $62,982,045 |
| 32 | COAL,COKE AND BRIQUETS | 1,692,366 | $96,827,976 | 28 | METALLIFEROUS ORE&SCRAPS | 76,604 | $35,529,623 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 608,924 | $165,734,668 | 27 | CRUDE FERTILIZER&MINERAL | 53,882 | $2,110,186 |
| 52 | INORGANIC CHEMICALS | 573,486 | $55,295,067 | 66 | NONMETALLIC MINERAL MANU | 42,636 | $21,600,028 |
| 56 | MANUF FERTIL & MATERIALS | 569,702 | $65,976,290 | 24 | WOOD,LUMBER AND CORK | 28,223 | $11,634,666 |
| 25 | PULP AND WASTEPAPER | 390,583 | $171,070,420 | 89 | MISC MANUF ARTICLES | 23,085 | $82,388,233 |
| 08 | FEED-STUFF FOR ANIMALS | 356,518 | $51,829,110 | 76 | TELEC,RECOR & REPRO EQUIP | 18,642 | $263,993,385 |
| | ALL OTHER COMMODITIES | 813,417 | $760,142,629 | | ALL OTHER COMMODITIES | 210,026 | $698,947,350 |

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 38,857,399 | $5,023,196,757 | 68,192 | $51,514,105 |
| IMPORTS | 4,028,081 | $7,910,583,471 | 2,391 | $1,995,285 |
| TOTAL I/O | 42,885,480 | $12,933,780,228 | 70,583 | $53,509,390 |

### TRADE ROUTE 29

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 52,227,987 | $17,398,984,558 | 2,133,105 | $3,622,673,580 |
| IMPORTS | 12,285,077 | $42,333,052,336 | 2,063,041 | $12,867,187,301 |
| TOTAL I/O | 64,513,064 | $59,732,036,894 | 4,196,146 | $16,489,860,881 |

## TRADE ROUTE 31 GULF/W. COAST S. AMERICA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 97,367 | $29,719,381 | 68 | NONFERROUS METALS | 50,916 | $71,394,621 |
| 58 | SYN RESINS,CELLU&PLASTIC | 35,696 | $29,071,288 | 07 | COFFEE,COCOA,TEA&SPICES | 36,472 | $96,681,436 |
| 56 | MANUF FERTIL & MATERIALS | 23,834 | $3,973,030 | 28 | METALLIFEROUS ORE&SCRAPS | 23,851 | $53,897,774 |
| 52 | INORGANIC CHEMICALS | 18,343 | $11,914,776 | 08 | FEED-STUFF FOR ANIMALS | 11,464 | $4,635,238 |
| 27 | CRUDE FERTILIZER&MINERAL | 13,472 | $2,364,858 | 64 | PAPER,PAPERBOARD & MANUF | 5,885 | $1,670,585 |
| 51 | ORGANIC CHEMICALS | 11,811 | $12,504,283 | 27 | CRUDE FERTILIZER&MINERAL | 3,209 | $409,272 |
| 59 | CHEMICAL PROD & MATERIAL | 11,525 | $21,560,831 | 24 | WOOD,LUMBER AND CORK | 1,938 | $888,883 |
| 08 | FEED-STUFF FOR ANIMALS | 8,952 | $2,663,942 | 05 | FRUIT AND VEGETABLES | 1,453 | $1,060,899 |
| 64 | PAPER,PAPERBOARD & MANUF | 8,843 | $4,080,236 | 66 | NONMETALLIC MINERAL MANU | 1,125 | $5,480,722 |
| 72 | MACH FOR SPECIALIZED INDU | 7,944 | $58,488,570 | 33 | PETROLEUM&PETROLEUM PROD | 1,004 | $141,467 |
| | ALL OTHER COMMODITIES | 55,172 | $115,921,671 | | ALL OTHER COMMODITIES | 4,195 | $5,874,079 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 292,959 | $292,262,866 | 68,723 | $52,446,728 |
| IMPORTS | 141,516 | $242,134,976 | 27,826 | $51,921,774 |
| TOTAL I/O | 434,475 | $53[illegible],397,842 | 96,549 | $104,368,502 |

## TRADE ROUTE 31 GULF/W. COAST S. AMERICA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 416,318 | $118,312,901 | 33 | PETROLEUM&PETROLEUM PROD | 2,985,438 | $615,834,546 |
| 42 | VEGETABLE OILS & FATS | 98,222 | $45,962,297 | 06 | SUGAR,MOLASSES,& HONEY | 150,088 | $7,080,011 |
| 34 | GAS-NATURAL & MANUF | 91,047 | $26,963,829 | 51 | ORGANIC CHEMICALS | 3,022 | $1,332,699 |
| 41 | ANIMAL OILS AND FATS | 66,210 | $27,545,604 | 07 | COFFEE,COCOA,TEA&SPICES | 367 | $1,002,750 |
| 51 | ORGANIC CHEMICALS | 64,481 | $31,033,646 | 93 | SPECIAL TRANSACTIONS NEC | 23 | $6,973 |
| 52 | INORGANIC CHEMICALS | 46,694 | $2,849,891 | 69 | MANUFACTURES OF METAL | 1 | $2,000 |
| 59 | CHEMICAL PROD & MATERIAL | 9,611 | $15,370,256 | 71 | POWER GENERATING MACH | | $5,206 |
| 04 | CEREALS & CEREAL PREPS | 8,661 | $1,292,386 | 74 | GENERAL IND MACH & EQUIP | | $900 |
| 56 | MANUF FERTIL & MATERIALS | 3,513 | $963,828 | | | | |
| 44 | ANIMAL OILS & FATS N.S.P. | 197 | $124,286 | | | | |
| | ALL OTHER COMMODITIES | 11 | $444,202 | | | | |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 804,965 | $270,863,126 | 20,936 | $6,793,114 |
| IMPORTS | 3,138,939 | $625,265,085 | 75,759 | $15,759,262 |
| TOTAL I/O | 3,943,904 | $896,128,211 | 96,695 | $22,552,376 |

# TRADE ROUTE 31 GULF/W. COAST S. AMERICA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 3,010,330 | $485,418,656 | 27 | CRUDE FERTILIZER&MINERAL | 277,293 | $10,518,651 |
| 56 | MANUF FERTIL & MATERIALS | 225,642 | $33,105,504 | 06 | SUGAR,MOLASSES,& HONEY | 62,069 | $29,491,866 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 119,841 | $33,575,744 | 68 | NONFERROUS METALS | 36,407 | $58,551,472 |
| 64 | PAPER,PAPERBOARD & MANUF | 32,118 | $10,842,256 | 05 | FRUIT AND VEGETABLES | 36,381 | $7,198,448 |
| 08 | FEED-STUFF FOR ANIMALS | 13,913 | $4,483,810 | 08 | FEED-STUFF FOR ANIMALS | 10,342 | $3,857,722 |
| 52 | INORGANIC CHEMICALS | 12,059 | $929,012 | 28 | METALLIFEROUS ORE&SCRAPS | 8,940 | $19,592,384 |
| 28 | METALLIFEROUS ORE&SCRAPS | 8,438 | $745,592 | 56 | MANUF FERTIL & MATERIALS | 8,858 | $1,190,503 |
| 42 | VEGETABLE OILS & FATS | 5,771 | $4,213,676 | 07 | COFFEE,COCOA,TEA&SPICES | 5,094 | $15,033,781 |
| 02 | DAIRY PRODUCTS AND EGGS | 5,488 | $3,342,406 | 67 | IRON AND STEEL | 1,228 | $408,786 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,668 | $1,047,459 | 64 | PAPER,PAPERBOARD & MANUF | 833 | $213,321 |
| | ALL OTHER COMMODITIES | 20,511 | $32,852,976 | | ALL OTHER COMMODITIES | 848 | $2,717,762 |

## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,458,779 | $610,557,091 | 100,971 | $25,792,488 |
| IMPORTS | 448,293 | $148,774,696 | 65 | $164,876 |
| TOTAL I/O | 3,907,072 | $759,331,787 | 101,036 | $25,957,364 |

## TRADE ROUTE 31

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 4,556,703 | $1,173,683,083 | 190,630 | $85,032,330 |
| IMPORTS | 3,728,748 | $1,016,174,757 | 103,650 | $67,845,912 |
| TOTAL I/O | 8,285,451 | $2,189,857,840 | 294,280 | $152,878,242 |

## TRADE AREA I-GREAT LAKES/U.K. & CONTINENTAL EUROPE

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 78 | ROAD VEHICLES & PARTS | 441 | $4,107,664 | 67 | IRON AND STEEL | 5,762 | $2,082,261 |
| 42 | VEGETABLE OILS & FATS | 420 | $484,335 | 56 | MANUF FERTIL & MATERIALS | 1,575 | $283,624 |
| 72 | MACH FOR SPECIALIZED INDU | 326 | $2,605,891 | 11 | ALCOHOLIC & NON,BEVERAGE | 969 | $1,181,056 |
| 54 | MED & PHARM PRODUCTS | 250 | $7,053,458 | 68 | NONFERROUS METALS | 762 | $953,916 |
| 51 | ORGANIC CHEMICALS | 129 | $1,889,372 | 52 | INORGANIC CHEMICALS | 319 | $273,357 |
| 64 | PAPER,PAPERBOARD & MANUF | 103 | $157,350 | 74 | GENERAL IND MACH & EQUIP | 169 | $518,730 |
| 04 | CEREALS & CEREAL PREPS | 101 | $23,413 | 69 | MANUFACTURES OF METAL | 138 | $235,296 |
| 71 | POWER GENERATING MACH | 77 | $1,770,733 | 78 | ROAD VEHICLES & PARTS | 138 | $500,288 |
| 66 | NONMETALLIC MINERAL MANU | 23 | $291,664 | 51 | ORGANIC CHEMICALS | 107 | $147,932 |
| 52 | INORGANIC CHEMICALS | 20 | $166,215 | 73 | METALWORKING MACHINERY | 103 | $666,417 |
| | ALL OTHER COMMODITIES | 83 | $1,013,627 | | ALL OTHER COMMODITIES | 862 | $2,922,159 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,973 | $19,563,722 | 0 | $0 |
| IMPORTS | 10,904 | $9,564,832 | 694 | $784,711 |
| TOTAL I/O | 12,877 | $29,128,554 | 694 | $784,711 |

# TRADE AREA I-GREAT LAKES/U.K. & CONTINENTAL EUROPE

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 41 | ANIMAL OILS AND FATS | 44,430 | $16,656,452 | 56 | MANUF FERTIL & MATERIALS | 43,942 | $6,596,311 |
| 42 | VEGETABLE OILS & FATS | 4,803 | $2,385,761 | 67 | IRON AND STEEL | 252 | $96,283 |
| 51 | ORGANIC CHEMICALS | 3,614 | $5,057,050 | 78 | ROAD VEHICLES & PARTS | 1 | $7,625 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 1,857 | $3,379,472 | | | | |
| 52 | INORGANIC CHEMICALS | 1,477 | $649,733 | | | | |
| 09 | MISC FOOD PREPARATIONS | 624 | $253,452 | | | | |
| 44 | ANIMAL OILS & FATS N.S.P. | 242 | $65,078 | | | | |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 57,047 | $28,446,998 | 0 | $0 |
| IMPORTS | 44,195 | $6,700,219 | 253 | $103,908 |
| TOTAL I/O | 101,242 | $35,147,217 | 253 | $103,908 |

## TRADE AREA I-GREAT LAKES/U.K. & CONTINENTAL EUROPE

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,114,803 | $159,926,267 | 67 | IRON AND STEEL | 1,130,428 | $410,985,531 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 266,169 | $69,617,783 | 68 | NONFERROUS METALS | 76,827 | $71,039,873 |
| 28 | METALLIFEROUS ORE&SCRAPS | 234,999 | $12,961,985 | 25 | PULP AND WASTEPAPER | 66,951 | $28,002,812 |
| 33 | PETROLEUM&PETROLEUM PROD | 79,947 | $2,325,305 | 56 | MANUF FERTIL & MATERIALS | 62,290 | $12,011,587 |
| 27 | CRUDE FERTILIZER&MINERAL | 38,733 | $2,509,179 | 04 | CEREALS & CEREAL PREPS | 53,681 | $4,690,566 |
| 08 | FEED-STUFF FOR ANIMALS | 10,168 | $1,447,890 | 27 | CRUDE FERTILIZER&MINERAL | 49,041 | $2,218,602 |
| 05 | FRUIT AND VEGETABLES | 9,145 | $3,365,490 | 64 | PAPER,PAPERBOARD & MANUF | 41,950 | $21,376,370 |
| 67 | IRON AND STEEL | 7,737 | $1,721,526 | 11 | ALCOHOLIC & NON,BEVERAGE | 12,706 | $11,864,995 |
| 01 | MEAT & MEAT PREPARATIONS | 5,714 | $3,634,226 | 78 | ROAD VEHICLES & PARTS | 4,318 | $13,529,614 |
| 29 | ANIMAL&VEGETA MATERIALS | 4,346 | $2,148,498 | 73 | METALWORKING MACHINERY | 2,907 | $26,499,562 |
| | ALL OTHER COMMODITIES | 23,335 | $95,208,074 | | ALL OTHER COMMODITIES | 13,633 | $50,402,133 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,795,096 | $354,866,223 | 6,366 | $13,992,877 |
| IMPORTS | 1,514,732 | $652,621,445 | 834 | $2,362,376 |
| TOTAL I/O | 3,309,828 | $1,007,487,668 | 7,200 | $16,355,253 |

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### TRADE ROUTE 45

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,854,116 | $402,876,943 | 6,366 | $13,992,877 |
| IMPORTS | 1,569,831 | $668,886,496 | 1,781 | $3,250,995 |
| TOTAL I/O | 3,423,947 | $1,071,763,439 | 8,147 | $17,243,872 |

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## TRADE AREA II-GREAT LAKES/WEST, EAST AND SOUTH AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 42,641 | $9,697,340 | 67 | IRON AND STEEL | 395 | $87,337 |
| 02 | DAIRY PRODUCTS AND EGGS | 10,537 | $6,217,070 | | | | |
| 42 | VEGETABLE OILS & FATS | 7,145 | $5,605,211 | | | | |
| 09 | MISC FOOD PREPARATIONS | 4,479 | $1,067,751 | | | | |
| 24 | WOOD,LUMBER AND CORK | 2,968 | $2,021,602 | | | | |
| 52 | INORGANIC CHEMICALS | 1,514 | $182,301 | | | | |
| 44 | ANIMAL OILS & FATS N.S.P. | 648 | $503,500 | | | | |
| 72 | MACH FOR SPECIALIZED INDU | 630 | $7,206,126 | | | | |
| 73 | METALWORKING MACHINERY | 423 | $1,089,838 | | | | |
| 93 | SPECIAL TRANSACTIONS NEC | 355 | $319,144 | | | | |
| | ALL OTHER COMMODITIES | 1,219 | $2,236,065 | | | | |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 72,559 | $36,145,948 | 3 | $23,043 |
| IMPORTS | 395 | $87,337 | 0 | $0 |
| TOTAL I/O | 72,954 | $36,233,285 | 3 | $23,043 |

Trade Area No. II - Great Lakes/West, East and South Africa
No Tanker Service 1983

## TRADE AREA II-GREAT LAKES/WEST, EAST AND SOUTH AFRICA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 239,506 | $36,583,954 | 67 | IRON AND STEEL | 93,306 | $27,413,254 |
| 02 | DAIRY PRODUCTS AND EGGS | 3,404 | $1,995,774 | 28 | METALLIFEROUS ORE&SCRAPS | 52,143 | $1,942,182 |
| 24 | WOOD,LUMBER AND CORK | 829 | $366,535 | 68 | NONFERROUS METALS | 1,593 | $1,808,143 |
| 74 | GENERAL IND MACH & EQUIP | 587 | $2,267,678 | 66 | NONMETALLIC MINERAL MANU | 23 | $27,500 |
| 28 | METALLIFEROUS ORE&SCRAPS | 517 | $539,498 | 72 | MACH FOR SPECIALIZED INDU | 17 | $27,425 |
| 93 | SPECIAL TRANSACTIONS NEC | 499 | $416,500 | 84 | CLOTHING AND ACCESSORIES | | $5,447 |
| 64 | PAPER,PAPERBOARD & MANUF | 172 | $244,120 | | | | |
| 72 | MACH FOR SPECIALIZED INDU | 144 | $1,131,231 | | | | |
| 42 | VEGETABLE OILS & FATS | 137 | $88,301 | | | | |
| 71 | POWER GENERATING MACH | 67 | $429,401 | | | | |
| | ALL OTHER COMMODITIES | 175 | $955,458 | | | | |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 246,037 | $45,018,450 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 147,082 | $31,223,951 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 393,119 | $76,242,401 | 0 | $0 |

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### TRADE ROUTE 46

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 318,596 | $81,164,398 | 3 | $23,043 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 147,477 | $31,311,288 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 466,073 | $112,475,686 | 3 | $23,043 |

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## TRADE AREA III-GREAT LAKES/CARIBBEAN AND SOUTH AMERICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 12,416 | $2,673,665 | 65 | TEXTILE YARN,FABRIC&PROD | 5,528 | $3,454,783 |
| 02 | DAIRY PRODUCTS AND EGGS | 6,439 | $4,396,313 | 67 | IRON AND STEEL | 2,669 | $1,171,714 |
| 42 | VEGETABLE OILS & FATS | 5,494 | $4,551,258 | 05 | FRUIT AND VEGETABLES | 508 | $224,284 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,971 | $376,433 | 24 | WOOD,LUMBER AND CORK | 472 | $149,633 |
| 09 | MISC FOOD PREPARATIONS | 875 | $341,985 | 29 | ANIMAL&VEGETA MATERIALS | 236 | $171,920 |
| 44 | ANIMAL OILS & FATS N.S.P. | 593 | $530,700 | 51 | ORGANIC CHEMICALS | 220 | $193,014 |
| 74 | GENERAL IND MACH & EQUIP | 262 | $133,940 | 69 | MANUFACTURES OF METAL | 22 | $22,454 |
| 41 | ANIMAL OILS AND FATS | 238 | $55,965 | 68 | NONFERROUS METALS | 21 | $30,394 |
| 78 | ROAD VEHICLES & PARTS | 232 | $277,800 | 64 | PAPER,PAPERBOARD & MANUF | 18 | $5,138 |
| 67 | IRON AND STEEL | 221 | $86,657 | 61 | LEATHER,MANUF FUR&LEATHR | 12 | $23,000 |
| | ALL OTHER COMMODITIES | 1,558 | $2,211,400 | | ALL OTHER COMMODITIES | 2 | $22,479 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 33,299 | $15,636,116 | 0 | $0 |
| IMPORTS | 9,708 | $5,468,813 | 0 | $0 |
| TOTAL I/O | 43,007 | $21,104,929 | 0 | $0 |

## Trade Area No. III - Great Lakes/Caribbean & South America
No Tanker Service 1983

## TRADE AREA III-GREAT LAKES/CARIBBEAN AND SOUTH AMERICA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 109,763 | $7,039,552 | 67 | IRON AND STEEL | 342,942 | $84,797,647 |
| 04 | CEREALS & CEREAL PREPS | 106,630 | $18,882,700 | 28 | METALLIFEROUS ORE&SCRAPS | 33,488 | $981,968 |
| 28 | METALLIFEROUS ORE&SCRAPS | 40,716 | $264,656 | 25 | PULP AND WASTEPAPER | 15,160 | $5,193,285 |
| 33 | PETROLEUM&PETROLEUM PROD | 15,357 | $344,000 | 65 | TEXTILE YARN,FABRIC&PROD | 15,087 | $9,179,408 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 14,681 | $4,939,436 | 68 | NONFERROUS METALS | 2,672 | $3,828,336 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,068 | $263,318 | 89 | MISC MANUF ARTICLES | 399 | $350,682 |
| 02 | DAIRY PRODUCTS AND EGGS | 2,618 | $1,438,486 | | | | |
| 41 | ANIMAL OILS AND FATS | 1,052 | $2,029,629 | | | | |
| 84 | CLOTHING AND ACCESSORIES | 551 | $1,840,528 | | | | |
| 69 | MANUFACTURES OF METAL | 492 | $180,000 | | | | |
| | ALL OTHER COMMODITIES | 775 | $1,462,504 | | | | |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 296,703 | $38,684,809 | 0 | $0 |
| IMPORTS | 409,748 | $104,331,306 | 21,590 | $1,353,549 |
| TOTAL I/O | 706,451 | $143,016,115 | 21,590 | $1,353,549 |

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### TRADE ROUTE 47

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 330,002 | $54,320,925 | 0 | $0 |
| IMPORTS | 419,456 | $109,800,119 | 21,590 | $1,353,549 |
| TOTAL I/O | 749,458 | $164,121,044 | 21,590 | $1,353,549 |

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## TRADE AREA IV-GREAT LAKES/MEDITERRANEAN AND RED SEA THROUGH BURMA

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 81,710 | $17,318,966 | 11 | ALCOHOLIC & NON,BEVERAGE | 3,971 | $2,560,357 |
| 42 | VEGETABLE OILS & FATS | 23,651 | $16,174,399 | 64 | PAPER,PAPERBOARD & MANUF | 2,076 | $297,604 |
| 02 | DAIRY PRODUCTS AND EGGS | 6,939 | $4,056,355 | 66 | NONMETALLIC MINERAL MANU | 1,250 | $1,506,772 |
| 67 | IRON AND STEEL | 6,094 | $1,430,684 | 67 | IRON AND STEEL | 922 | $543,064 |
| 28 | METALLIFEROUS ORE&SCRAPS | 4,243 | $422,878 | 63 | WOOD AND CORK MANUF | 534 | $43,312 |
| 09 | MISC FOOD PREPARATIONS | 3,609 | $1,167,373 | 82 | FURNITURE | 493 | $1,074,006 |
| 73 | METALWORKING MACHINERY | 2,485 | $1,644,125 | 68 | NONFERROUS METALS | 477 | $779,085 |
| 72 | MACH FOR SPECIALIZED INDU | 1,597 | $9,644,619 | 65 | TEXTILE YARN,FABRIC&PROD | 244 | $166,456 |
| 71 | POWER GENERATING MACH | 859 | $17,323,292 | 26 | TEXTILE FIBERS & WASTE | 212 | $65,487 |
| 74 | GENERAL IND MACH & EQUIP | 693 | $3,375,724 | 69 | MANUFACTURES OF METAL | 199 | $215,519 |
|  | ALL OTHER COMMODITIES | 3,213 | $10,235,132 |  | ALL OTHER COMMODITIES | 619 | $2,467,916 |

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TOTAL TONNAGE AND VALUE

LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
|  | 135,093 | $82,793,547 | 36,187 | $33,557,045 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|  | 10,997 | $9,699,576 | 5,650 | $5,765,654 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|  | 146,090 | $92,493,123 | 41,837 | $39,322,699 |

## TRADE AREA IV-GREAT LAKES/MEDITERRANEAN AND RED SEA THROUGH BURMA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 52 | INORGANIC CHEMICALS | 1,730 | $178,615 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 0 | $0 | 0 | $0 |

| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 1,730 | $178,615 | 0 | $0 |

| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 1,730 | $178,615 | 0 | $0 |

## TRADE AREA IV-GREAT LAKES/MEDITERRANEAN AND RED SEA THROUGH BURMA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,533,833 | $251,189,682 | 67 | IRON AND STEEL | 122,224 | $38,583,621 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 221,629 | $58,376,036 | 28 | METALLIFEROUS ORE&SCRAPS | 57,704 | $1,297,764 |
| 28 | METALLIFEROUS ORE&SCRAPS | 63,595 | $4,461,489 | 27 | CRUDE FERTILIZER&MINERAL | 15,285 | $1,878,135 |
| 67 | IRON AND STEEL | 11,156 | $1,511,483 | 68 | NONFERROUS METALS | 5,346 | $4,583,234 |
| 02 | DAIRY PRODUCTS AND EGGS | 9,786 | $5,671,900 | 11 | ALCOHOLIC & NON,BEVERAGE | 1,033 | $686,068 |
| 33 | PETROLEUM&PETROLEUM PROD | 8,386 | $213,027 | 66 | NONMETALLIC MINERAL MANU | 532 | $196,559 |
| 52 | INORGANIC CHEMICALS | 3,981 | $774,000 | 58 | SYN RESINS,CELLU&PLASTIC | 186 | $192,842 |
| 66 | NONMETALLIC MINERAL MANU | 3,601 | $673,856 | 71 | POWER GENERATING MACH | 78 | $356,012 |
| 42 | VEGETABLE OILS & FATS | 2,978 | $2,753,149 | 69 | MANUFACTURES OF METAL | 76 | $128,187 |
| 24 | WOOD,LUMBER AND CORK | 2,560 | $1,220,501 | 78 | ROAD VEHICLES & PARTS | 59 | $177,170 |
| | ALL OTHER COMMODITIES | 3,039 | $9,521,855 | | ALL OTHER COMMODITIES | 241 | $846,930 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,864,544 | $336,366,978 | 73 | $166,464 |
| IMPORTS | 203,364 | $48,926,522 | 18 | $52,080 |
| TOTAL I/O | 2,067,908 | $385,293,500 | 91 | $218,544 |

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### TRADE ROUTE 48

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,999,637 | $419,160,525 | 36,260 | $33,723,509 |
| IMPORTS | 216,091 | $58,804,713 | 5,668 | $5,817,734 |
| TOTAL I/O | 2,215,728 | $477,965,238 | 41,928 | $39,541,243 |

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## TRADE AREA V-GREAT LAKES/FAR EAST, INDONESIA, MALAYSIA, SINGAPORE AND AUSTRALASIA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 8,145 | $2,710,636 | 67 | IRON AND STEEL | 4,822 | $2,317,871 |
| 79 | TRANSPORT EQUIP-RAIL,AIR, | 4,573 | $49,799,637 | 42 | VEGETABLE OILS & FATS | 1,480 | $476,193 |
| 67 | IRON AND STEEL | 248 | $52,390 | 71 | POWER GENERATING MACH | 514 | $681,027 |
| 74 | GENERAL IND MACH & EQUIP | 128 | $786,034 | 69 | MANUFACTURES OF METAL | 191 | $560,238 |
| 51 | ORGANIC CHEMICALS | 120 | $145,608 | 07 | COFFEE,COCOA,TEA&SPICES | 35 | $13,925 |
| 52 | INORGANIC CHEMICALS | 48 | $59,878 | 89 | MISC MANUF ARTICLES | 35 | $133,238 |
| 59 | CHEMICAL PROD & MATERIAL | 43 | $25,219 | 78 | ROAD VEHICLES & PARTS | 26 | $73,473 |
| 58 | SYN RESINS,CELLU&PLASTIC | 35 | $114,607 | 82 | FURNITURE | 16 | $35,992 |
| 77 | ELEC MACH,APPAR & APPL | 30 | $328,391 | 84 | CLOTHING AND ACCESSORIES | 14 | $96,764 |
| 24 | WOOD,LUMBER AND CORK | 21 | $18,831 | 63 | WOOD AND CORK MANUF | 11 | $45,247 |
| | ALL OTHER COMMODITIES | 104 | $1,673,101 | | ALL OTHER COMMODITIES | 30 | $242,288 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 13,495 | $55,714,332 | 21 | $18,831 |
| IMPORTS | 7,174 | $4,676,256 | 31 | $158,865 |
| TOTAL I/O | 20,669 | $60,390,588 | 52 | $177,696 |

Trade Area No. V - Great Lakes/Far East, Indo., Malay., Sing., & Aust.
No Tanker Service 1983

## TRADE AREA V-GREAT LAKES/FAR EAST, INDONESIA, MALAYSIA, SINGAPORE AND AUSTRALASIA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 28 | METALLIFEROUS ORE&SCRAPS | 199,201 | $17,930,388 | 67 | IRON AND STEEL | 247,495 | $114,924,966 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 99,811 | $28,910,217 | 28 | METALLIFEROUS ORE&SCRAPS | 10,388 | $2,840,723 |
| 67 | IRON AND STEEL | 36,630 | $5,173,873 | 27 | CRUDE FERTILIZER&MINERAL | 6,631 | $633,577 |
| 21 | HIDES,SKINS & FURSKINS | 4,860 | $7,400,107 | 25 | PULP AND WASTEPAPER | 4,920 | $1,736,134 |
| 51 | ORGANIC CHEMICALS | 2,520 | $9,357,593 | 71 | POWER GENERATING MACH | 3,078 | $4,461,614 |
| 93 | SPECIAL TRANSACTIONS NEC | 790 | $142,084 | 69 | MANUFACTURES OF METAL | 700 | $536,899 |
| 58 | SYN RESINS,CELLU&PLASTIC | 588 | $1,506,105 | 68 | NONFERROUS METALS | 247 | $183,926 |
| 78 | ROAD VEHICLES & PARTS | 427 | $2,829,855 | 72 | MACH FOR SPECIALIZED INDU | 155 | $444,964 |
| 52 | INORGANIC CHEMICALS | 172 | $207,748 | 78 | ROAD VEHICLES & PARTS | 126 | $234,504 |
| 64 | PAPER,PAPERBOARD & MANUF | 61 | $38,000 | 75 | OFFICE MACH & ADP EQUIP | 94 | $1,311,475 |
| | ALL OTHER COMMODITIES | 187 | $495,470 | | ALL OTHER COMMODITIES | 130 | $178,290 |

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 345,247 | $73,991,440 | 130 | $529,509 |
| IMPORTS | 273,964 | $127,487,052 | 14 | $44,178 |
| TOTAL I/O | 619,211 | $201,478,492 | 144 | $573,687 |

### TRADE ROUTE 49

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 358,742 | $129,705,772 | 151 | $548,340 |
| IMPORTS | 281,138 | $132,163,308 | 45 | $203,043 |
| TOTAL I/O | 639,880 | $261,869,080 | 196 | $751,383 |

# PART III

# NON ESSENTIAL TRADE ROUTES

## TRADE ROUTE 14-3(43) PACIFIC/WEST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 02 | DAIRY PRODUCTS AND EGGS | 194 | $117,504 | 07 | COFFFE,COCOA,TEA&SPICES | 201 | $496,800 |
| 09 | MISC FOOD PREPARATIONS | 57 | $25,515 | 52 | INORGANIC CHEMICALS | 84 | $62,851 |
| 72 | MACH FOR SPECIALIZED INDU | 22 | $200,619 | 65 | TEXTILE YARN,FABRIC&PROD | 40 | $79,953 |
| 93 | SPECIAL TRANSACTIONS NEC | 21 | $83,135 | 11 | ALCOHOLIC & NON,BEVERAGE | 14 | $34,419 |
| 12 | TOBACCO & TOBACCO PRODS | 20 | $259,320 | 84 | CLOTHING AND ACCESSORIES | 14 | $100,811 |
| 69 | MANUFACTURES OF METAL | 12 | $68,934 | 76 | TELEC,RECOR & REPRO EQUIP | 8 | $59,432 |
| 27 | CRUDE FERTILIZER&MINERAL | 9 | $1,927 | 75 | OFFICE MACH & ADP EQUIP | 6 | $99,378 |
| 05 | FRUIT AND VEGETABLES | 8 | $9,561 | 95 | ARMS OF WAR-AMMO&VEHICLE | 6 | $16,859 |
| 54 | MED & PHARM PRODUCTS | 7 | $46,317 | 89 | MISC MANUF ARTICLES | 3 | $25,577 |
| 11 | ALCCHOLIC & NON,BEVERAGE | 4 | $16,750 | 69 | MANUFACTURES OF METAL | 2 | $2,007 |
| | ALL OTHER COMMODITIES | 6 | $123,155 | | ALL OTHER COMMODITIES | 1 | $19,787 |

---

### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 360 | $952,737 | 0 | $0 |
| IMPORTS | 379 | $997,874 | 27 | $130,845 |
| TOTAL I/O | 739 | $1,950,611 | 27 | $130,845 |

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Trade Route No. 14-3 (43) - Pacific/West Africa
No Tanker Service 1983

## TRADE ROUTE 14-3(43) PACIFIC/WEST AFRICA

1983 COMMODITIES

NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 33,766 | $2,686,542 | | | | |

TOTAL TONNAGE AND VALUE

NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 33,766 | $2,686,542 | 0 | $0 |
| IMPORTS | 0 | $0 | 0 | $0 |
| TOTAL I/O | 33,766 | $2,686,542 | 0 | $0 |

TRADE ROUTE 43

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 34,126 | $3,639,279 | 0 | $0 |
| IMPORTS | 379 | $997,874 | 27 | $130,845 |
| TOTAL I/O | 34,505 | $4,637,153 | 27 | $130,845 |

## TRADE ROUTE 15-C(53) PAC/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 5,619 | $1,401,795 | 67 | IRON AND STEEL | 30,955 | $10,048,568 |
| 05 | FRUIT AND VEGETABLES | 2,071 | $3,800,403 | 27 | CRUDE FERTILIZER&MINERAL | 10,023 | $591,544 |
| 52 | INORGANIC CHEMICALS | 2,024 | $1,397,508 | 05 | FRUIT AND VEGETABLES | 1,323 | $1,168,673 |
| 24 | WOOD,LUMBER AND CORK | 923 | $441,174 | 07 | COFFEE,COCOA,TEA&SPICES | 1,302 | $3,022,477 |
| 29 | ANIMAL&VEGETA MATERIALS | 732 | $1,667,930 | 52 | INORGANIC CHEMICALS | 864 | $913,780 |
| 02 | DAIRY PRODUCTS AND EGGS | 702 | $421,598 | 66 | NONMETALLIC MINERAL MANU | 612 | $1,525,632 |
| 59 | CHEMICAL PROD & MATERIAL | 553 | $1,721,847 | 69 | MANUFACTURES OF METAL | 564 | $353,174 |
| 72 | MACH FOR SPECIALIZED INDU | 487 | $6,399,743 | 29 | ANIMAL&VEGETA MATERIALS | 533 | $722,596 |
| 64 | PAPER,PAPERBOARD & MANUF | 485 | $399,220 | 33 | PETROLEUM&PETROLEUM PROD | 271 | $284,291 |
| 08 | FEED-STUFF FOR ANIMALS | 333 | $149,958 | 11 | ALCOHOLIC & NON,BEVERAGE | 195 | $334,792 |
| | ALL OTHER COMMODITIES | 2,847 | $13,432,812 | | ALL OTHER COMMODITIES | 514 | $2,567,338 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 16,776 | $31,233,988 | 171 | $1,743,336 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 47,156 | $21,532,863 | 58 | $78,512 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 63,932 | $52,766,851 | 229 | $1,821,848 |

## TRADE ROUTE 15-C(53) PAC/SOUTH & EAST AFRICA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 1,066 | $335,916 | | | | |
| 51 | ORGANIC CHEMICALS | 979 | $768,315 | | | | |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,045 | $1,104,231 | 0 | $0 |
| IMPORTS | 0 | $0 | 0 | $0 |
| TOTAL I/O | 2,045 | $1,104,231 | 0 | $0 |

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## TRADE ROUTE 15-C(53) PAC/SOUTH & EAST AFRICA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 52 | INORGANIC CHEMICALS | 14,025 | $1,979,254 | 67 | IRON AND STEEL | 42,876 | $10,157,813 |
| 72 | MACH FOR SPECIALIZED INDU | | $1,100 | 28 | METALLIFEROUS ORE&SCRAPS | 8,070 | $94,004,144 |
| | | | | 07 | COFFEE,COCOA,TEA&SPICES | 341 | $804,655 |
| | | | | 84 | CLOTHING AND ACCESSORIES | 24 | $236,137 |

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 14,025 | $1,980,354 | 0 | $0 |
| IMPORTS | 51,311 | $105,202,749 | 341 | $904,655 |
| TOTAL I/O | 65,336 | $107,183,103 | 341 | $804,655 |

### TRADE ROUTF 53

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 32,846 | $34,318,573 | 171 | $1,743,336 |
| IMPORTS | 98,467 | $126,735,612 | 399 | $883,167 |
| TOTAL I/O | 131,313 | $161,054,185 | 570 | $2,626,503 |

## TRADE ROUTE 26-C(65) PACIFIC/MEDITERRANEAN

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 24 | WOOD,LUMBER AND CORK | 100,177 | $44,444,774 | 66 | NONMETALLIC MINERAL MANU | 59,745 | $43,336,183 |
| 05 | FRUIT AND VEGETABLES | 48,562 | $53,373,039 | 11 | ALCOHOLIC & NON,BEVERAGE | 53,550 | $38,386,618 |
| 26 | TEXTILE FIBERS & WASTE | 32,664 | $53,153,691 | 05 | FRUIT AND VEGETABLES | 20,797 | $17,897,740 |
| 25 | PULP AND WASTEPAPER | 12,582 | $4,780,806 | 69 | MANUFACTURES OF METAL | 10,253 | $16,234,946 |
| 27 | CRUDE FERTILIZER&MINERAL | 7,977 | $2,509,924 | 82 | FURNITURE | 9,326 | $24,690,881 |
| 33 | PETROLEUM&PETROLEUM PROD | 5,895 | $469,131 | 67 | IRON AND STEEL | 6,395 | $4,641,202 |
| 63 | WOOD AND CORK MANUF | 3,622 | $5,242,215 | 27 | CRUDE FERTILIZER&MINERAL | 4,912 | $1,141,411 |
| 29 | ANIMAL&VEGETA MATERIALS | 2,859 | $7,797,092 | 89 | MISC MANUF ARTICLES | 4,779 | $17,281,134 |
| 74 | GENERAL IND MACH & EQUIP | 1,227 | $15,746,663 | 42 | VEGETABLE OILS & FATS | 4,128 | $5,659,010 |
| 52 | INORGANIC CHEMICALS | 1,152 | $1,559,305 | 51 | ORGANIC CHEMICALS | 3,577 | $7,097,927 |
| | ALL OTHER COMMODITIES | 10,331 | $78,336,056 | | ALL OTHER COMMODITIES | 38,650 | $233,601,329 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 226,948 | $267,412,696 | 250 | $2,535,685 |
| IMPORTS | 216,112 | $409,968,381 | 4,441 | $6,611,681 |
| TOTAL I/O | 443,060 | $677,381,077 | 4,691 | $9,147,366 |

# TRADE ROUTE 26-C(65) PACIFIC/MEDITERRANEAN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 45,389 | $7,655,225 | 33 | PETROLEUM&PETROLEUM PROD | 180,665 | $52,567,427 |
| 41 | ANIMAL OILS AND FATS | 1,772 | $721,800 | 56 | MANUF FERTIL & MATERIALS | 25,936 | $1,970,876 |
| | | | | 51 | ORGANIC CHEMICALS | 3,072 | $1,498,051 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 28 | $10,008 |
| | | | | 82 | FURNITURE | 13 | $24,660 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 47,161 | $8,377,025 | 45,389 | $7,655,225 |
| IMPORTS | 209,714 | $56,071,022 | 20 | $4,268 |
| TOTAL I/O | 256,875 | $64,448,047 | 45,409 | $7,659,493 |

## TRADE ROUTE 26-C(65) PACIFIC/MEDITERRANEAN

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS<br>COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 958,592 | $165,412,093 | 67 | IRON AND STEEL | 35,556 | $10,058,712 |
| 33 | PETROLEUM&PETROLEUM PROD | 288,468 | $17,529,693 | 66 | NONMETALLIC MINERAL MANU | 35,123 | $1,879,422 |
| 27 | CRUDE FERTILIZER&MINERAL | 165,619 | $20,594,359 | 74 | GENERAL IND MACH & EQUIP | 792 | $3,064,234 |
| 24 | WOOD,LUMBER AND CORK | 60,878 | $25,668,131 | 05 | FRUIT AND VEGETABLES | 765 | $562,352 |
| 25 | PULP AND WASTEPAPER | 39,712 | $14,708,680 | 72 | MACH FOR SPECIALIZED INDU | 286 | $994,917 |
| 26 | TEXTILE FIBERS & WASTE | 14,381 | $24,466,325 | 11 | ALCOHOLIC & NON,BEVERAGE | 228 | $526,611 |
| 67 | IRON AND STEEL | 2,128 | $5,473,540 | 69 | MANUFACTURES OF METAL | 176 | $194,991 |
| 63 | WOOD AND CORK MANUF | 1,102 | $452,161 | 82 | FURNITURE | 175 | $430,126 |
| 52 | INORGANIC CHEMICALS | 496 | $1,987,123 | 33 | PETROLEUM&PETROLEUM PROD | 124 | $16,530 |
| 74 | GENERAL IND MACH & EQUIP | 201 | $912,626 | 77 | ELEC MACH,APPAR & APPL | 105 | $234,292 |
|  | ALL OTHER COMMODITIES | 253 | $738,858 |  | ALL OTHER COMMODITIES | 460 | $2,168,826 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,531,835 | $277,943,589 | 226,796 | $39,654,409 |
| IMPORTS | 73,790 | $20,131,013 | 124 | $16,530 |
| TOTAL I/O | 1,605,625 | $298,074,602 | 226,920 | $39,670,939 |

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### TRADE ROUTE 65

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,805,944 | $553,733,310 | 272,435 | $49,845,319 |
| IMPORTS | 499,616 | $486,170,416 | 4,585 | $6,632,479 |
| TOTAL I/O | 2,305,560 | $1,039,903,726 | 277,020 | $56,477,798 |

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## TRADE ROUTE 35 ATL./CANADIAN G. L.

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 69 | MANUFACTURES OF METAL | 105 | $36,036 | 67 | IRON AND STEEL | 1,298 | $1,089,809 |
| 05 | FRUIT AND VEGETABLES | 42 | $32,198 | 69 | MANUFACTURES OF METAL | 428 | $365,532 |
| 78 | ROAD VEHICLES & PARTS | 34 | $99,747 | 11 | ALCOHOLIC & NON,BEVERAGE | 202 | $351,516 |
| 24 | WOOD,LUMBER AND CORK | 24 | $9,685 | 78 | ROAD VEHICLES & PARTS | 139 | $607,046 |
| 04 | CEREALS & CEREAL PREPS | 22 | $17,980 | 05 | FRUIT AND VEGETABLES | 130 | $33,051 |
| 65 | TEXTILE YARN,FABRIC&PROD | 20 | $55,212 | 02 | DAIRY PRODUCTS AND EGGS | 109 | $104,095 |
| 67 | IRON AND STEEL | 19 | $67,721 | 24 | WOOD,LUMBER AND CORK | 94 | $21,907 |
| 74 | GENERAL IND MACH & EQUIP | 19 | $110,184 | 59 | CHEMICAL PROD & MATERIAL | 73 | $17,582 |
| 01 | MEAT & MEAT PREPARATIONS | 18 | $37,633 | 65 | TEXTILE YARN,FABRIC&PROD | 72 | $98,372 |
| 08 | FEED-STUFF FOR ANIMALS | 16 | $4,313 | 85 | FOOTWARE-NEW | 43 | $43,452 |
| | ALL OTHER COMMODITIES | 57 | $246,959 | | ALL OTHER COMMODITIES | 232 | $1,277,256 |

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 376 | $717,468 | 2 | $48,505 |
| IMPORTS | 2,820 | $4,009,616 | 2,034 | $1,977,083 |
| TOTAL I/O | 3,196 | $4,727,084 | 2,036 | $2,025,588 |

## TRADE ROUTE 35 ATL./CANADIAN G. L.

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 06 | SUGAR,MOLASSES,& HONEY | 11,830 | $1,255,450 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 37,009 | $9,920,557 |
| 52 | INORGANIC CHEMICALS | 31,906 | $1,614,068 |
| 51 | ORGANIC CHEMICALS | 6,596 | $2,030,296 |
| 63 | WOOD AND CORK MANUF | | $2,846 |
| 69 | MANUFACTURES OF METAL | | $500 |
| 89 | MISC MANUF ARTICLES | | $13,648 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 11,830 | $1,255,450 | 11,830 | $1,255,450 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 75,511 | $13,581,915 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 87,341 | $14,837,365 | 11,830 | $1,255,450 |

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## TRADE ROUTE 35 ATL./CANADIAN G. L.

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 27 | CRUDE FERTILIZER&MINERAL | 4,318 | $287,708 |
| 56 | MANUF FERTIL & MATERIALS | 1,968 | $581,600 |
| 01 | MEAT & MEAT PREPARATIONS | 40 | $68,614 |
| 69 | MANUFACTURES OF METAL | 12 | $7,197 |
| 52 | INORGANIC CHEMICALS | 11 | $10,031 |
| 03 | FISH & FISH PREPARATIONS | 9 | $12,520 |
| 77 | ELEC MACH,APPAR & APPL | 1 | $8,040 |
| 78 | ROAD VEHICLES & PARTS | 1 | $8,599 |
| 74 | GENERAL IND MACH & EQUIP | | $1,055 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 56 | MANUF FERTIL & MATERIALS | 47,321 | $3,428,130 |
| 27 | CRUDE FERTILIZER&MINERAL | 22,430 | $228,324 |
| 66 | NONMETALLIC MINERAL MANU | 10,021 | $415,113 |
| 24 | WOOD,LUMBER AND CORK | 7,314 | $1,319,734 |
| 25 | PULP AND WASTEPAPER | 3,671 | $1,038,167 |
| 06 | SUGAR,MOLASSES,& HONEY | 24 | $31,967 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 18 | $36,066 |
| 79 | TRANSPORT EQUIP-RAIL,AIR, | 13 | $17,300 |
| 82 | FURNITURE | 2 | $1,690 |
| 68 | NONFERROUS METALS | 1 | $3,234 |
| | ALL OTHER COMMODITIES | | $1,868 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 6,360 | $985,364 | 0 | $0 |
| IMPORTS | 90,815 | $6,521,593 | 4,295 | $183,249 |
| TOTAL I/O | 97,175 | $7,506,957 | 4,295 | $183,249 |

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## TRADE ROUTE 35

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 18,566 | $2,958,282 | 11,832 | $1,303,955 |
| IMPORTS | 169,146 | $24,113,124 | 6,329 | $2,160,332 |
| TOTAL I/O | 187,712 | $27,071,406 | 18,161 | $3,464,287 |

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## TRADE ROUTE 36 GULF/CANADIAN G. L.

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,782 | $321,575 | 27 | CRUDE FERTILIZER&MINERAL | 6,667 | $66,637 |
| 08 | FEED-STUFF FOR ANIMALS | 465 | $143,882 | 78 | ROAD VEHICLES & PARTS | 228 | $100,196 |
| 27 | CRUDE FERTILIZER&MINERAL | 380 | $91,168 | 69 | MANUFACTURES OF METAL | 44 | $40,670 |
| 59 | CHEMICAL PROD & MATERIAL | 3 | $76,006 | 11 | ALCOHOLIC & NON.BEVERAGE | 26 | $26,599 |
| | | | | 74 | GENERAL IND MACH & EQUIP | 19 | $415,445 |
| | | | | 67 | IRON AND STEEL | 18 | $7,845 |
| | | | | 71 | POWER GENERATING MACH | 17 | $96,440 |
| | | | | 82 | FURNITURE | 16 | $48,454 |
| | | | | 66 | NONMETALLIC MINERAL MANU | 13 | $110,200 |
| | | | | 68 | NONFERROUS METALS | 1 | $3,502 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,630 | $632,631 | 0 | $0 |
| IMPORTS | 7,049 | $915,988 | 43 | $36,625 |
| TOTAL I/O | 9,679 | $1,548,619 | 43 | $36,625 |

## TRADE ROUTE 36 GULF/CANADIAN G. L.

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 51 | ORGANIC CHEMICALS | 10,862 | $3,729,949 | 51 | ORGANIC CHEMICALS | 27,354 | $11,715,979 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 10,862 | $3,729,949 | 0 | $0 |
| IMPORTS | 27,354 | $11,715,979 | 0 | $0 |
| TOTAL I/O | 38,216 | $15,445,928 | 0 | $0 |

## TRADE ROUTE 36 GULF/CANADIAN G. L.

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 90,282 | $14,469,105 | 68 | NONFERROUS METALS | 107 | $124,607 |
| 51 | ORGANIC CHEMICALS | 3,099 | $425,146 | 66 | NONMETALLIC MINERAL MANU | 9 | $3,560 |
| 08 | FEED-STUFF FOR ANIMALS | 1,734 | $405,030 | | | | |
| 04 | CEREALS & CEREAL PREPS | 1,498 | $157,024 | | | | |

## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 96,613 | $15,456,305 | 0 | $0 |
| IMPORTS | 116 | $128,167 | 0 | $0 |
| TOTAL I/O | 96,729 | $15,584,472 | 0 | $0 |

## TRADE ROUTE 36

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 110,105 | $19,818,885 | 0 | $0 |
| IMPORTS | 34,519 | $12,760,134 | 43 | $36,625 |
| TOTAL I/O | 144,624 | $32,579,019 | 43 | $36,625 |

## TRADE ROUTE 37 CAL./CANADIAN G. L.

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 66 | NONMETALLIC MINERAL MANU | 3,214 | $111,600 |
| | | | | 67 | IRON AND STEEL | 177 | $107,323 |
| | | | | 71 | POWER GENERATING MACH | 153 | $1,268,320 |
| | | | | 76 | TELEC,RECOR & REPRO EQUIP | 141 | $2,326,480 |
| | | | | 27 | CRUDE FERTILIZER&MINERAL | 62 | $4,901 |
| | | | | 93 | SPECIAL TRANSACTIONS NEC | 17 | $225,380 |
| | | | | 77 | ELEC MACH,APPAR & APPL | 4 | $42,759 |
| | | | | 74 | GENERAL IND MACH & EQUIP | 3 | $35,698 |
| | | | | 89 | MISC MANUF ARTICLES | 3 | $69,541 |
| | | | | 09 | MISC FOOD PREPARATIONS | 2 | $2,767 |
| | | | | | ALL OTHER COMMODITIES | 5 | $42,190 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 0 | $0 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,781 | $4,236,959 | 84 | $272,903 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,781 | $4,236,959 | 84 | $272,903 |

Trade Route No. 37 - California/Canadian Great Lakes
No Tanker Service 1983

## TRADE ROUTE 37 CAL./CANADIAN G. L.

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 05 | FRUIT AND VEGETABLES | 13 | $24,199 |

---

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 0 | $0 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 13 | $24,199 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 13 | $24,199 | 0 | $0 |

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### TRADE ROUTE 37

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 0 | $0 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,794 | $4,261,158 | 84 | $272,903 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 3,794 | $4,261,158 | 84 | $272,903 |

## TRADE ROUTE 38 WASH., OREG./CANADIAN G. L.

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 71 | POWER GENERATING MACH | 106 | $836,097 |
| | | | | 78 | ROAD VEHICLES & PARTS | 38 | $209,498 |
| | | | | 77 | ELEC MACH,APPAR & APPL | 18 | $49,272 |
| | | | | 69 | MANUFACTURES OF METAL | 10 | $34,928 |
| | | | | 74 | GENERAL IND MACH & EQUIP | 6 | $14,994 |
| | | | | 89 | MISC MANUF ARTICLES | 2 | $27,368 |
| | | | | 65 | TEXTILE YARN,FABRIC&PROD | 1 | $4,938 |
| | | | | 81 | PLUMBING,HEAT&LIGHT PART | | $1,054 |
| | | | | 82 | FURNITURE | | $1,452 |
| | | | | 87 | PROF,SCIE, & CONTR APPAR | | $3,208 |
| | | | | | ALL OTHER COMMODITIES | | $2,968 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 181 | $1,185,777 | 98 | $775,095 |
| TOTAL I/C | 181 | $1,185,777 | 98 | $775,095 |

Trade Route No. 38 - Wash. & Oregon/Canadian Great Lakes
No Tanker Service1983

## TRADE ROUTE 38 WASH., OREG./CANADIAN G. L.

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 28 | METALLIFEROUS ORE&SCRAPS | 14,377 | $255,671 |
| | | | | 89 | MISC MANUF ARTICLES | 1 | $26,617 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 14,378 | $282,288 | 0 | $0 |
| TOTAL I/O | 14,378 | $282,288 | 0 | $0 |

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### TRADE ROUTE 38

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 14,559 | $1,468,065 | 98 | $775,095 |
| TOTAL I/O | 14,559 | $1,468,065 | 98 | $775,095 |

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## TRADE ROUTE 58 G. L./PAC. CANADA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 24 | WOOD,LUMBER AND CORK | 2,137 | $69,414 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 39 | $30,571 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 2,176 | $99,985 | 0 | $0 |
| TOTAL I/O | 2,176 | $99,985 | 0 | $0 |

Trade Route No. 58-Great Lakes/Pacific Canada

No Tanker Service 1983

## TRADE ROUTE 58 G. L./PAC. CANADA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 40,477 | $263,674 | 27 | CRUDE FERTILIZER&MINERAL | 40,460 | $200,387 |
| 32 | COAL,COKE AND BRIQUETS | 14,289 | $1,286,722 | 28 | METALLIFEROUS ORE&SCRAPS | 40,203 | $1,254,192 |
| 52 | INORGANIC CHEMICALS | 3,098 | $303,115 | 56 | MANUF FERTIL & MATERIALS | 35,106 | $1,474,814 |
| | | | | 66 | NONMETALLIC MINERAL MANU | 10,714 | $372,000 |
| | | | | 68 | NONFERROUS METALS | 1,202 | $1,371,769 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 57,864 | $1,853,511 | 0 | $0 |
| IMPORTS | 127,685 | $4,673,162 | 32,120 | $118,898 |
| TOTAL I/O | 185,549 | $6,526,673 | 32,120 | $118,898 |

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### TRADE ROUTE 58

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 57,864 | $1,853,511 | 0 | $0 |
| IMPORTS | 129,861 | $4,773,147 | 32,120 | $118,898 |
| TOTAL I/O | 187,725 | $6,626,658 | 32,120 | $118,898 |

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## TRADE ROUTE 71 ATL./W. COAST CEN. AMERICA & MEXICO

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 64 | PAPER,PAPERBOARD & MANUF | 4,759 | $5,950,987 | 05 | FRUIT AND VEGETABLES | 107,016 | $26,122,314 |
| 02 | DAIRY PRODUCTS AND EGGS | 3,941 | $6,560,972 | 06 | SUGAR,MOLASSES,& HONEY | 6,735 | $3,239,049 |
| 67 | IRON AND STEEL | 3,105 | $2,594,155 | 07 | COFFEE,COCOA,TEA&SPICES | 6,592 | $18,746,819 |
| 05 | FRUIT AND VEGETABLES | 2,769 | $2,436,558 | 03 | FISH & FISH PREPARATIONS | 5,238 | $41,956,211 |
| 01 | MEAT & MEAT PREPARATIONS | 2,468 | $3,126,039 | 66 | NONMETALLIC MINERAL MANU | 816 | $438,942 |
| 12 | TOBACCO & TOBACCO PRODS | 2,308 | $28,642,495 | 84 | CLOTHING AND ACCESSORIES | 487 | $2,403,374 |
| 24 | WOOD,LUMBER AND CORK | 1,841 | $492,861 | 12 | TOBACCO & TOBACCO PRODS | 477 | $2,028,509 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 1,702 | $6,723,037 | 28 | METALLIFEROUS ORE&SCRAPS | 471 | $377,186 |
| 69 | MANUFACTURES OF METAL | 1,476 | $5,394,820 | 63 | WOOD AND CORK MANUF | 326 | $292,963 |
| 09 | MISC FOOD PREPARATIONS | 1,445 | $1,951,568 | 93 | SPECIAL TRANSACTIONS NEC | 240 | $3,334,322 |
| | ALL OTHER COMMODITIES | 19,716 | $55,924,790 | | ALL OTHER COMMODITIES | 1,513 | $5,841,716 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 45,530 | $119,798,282 | 36,685 | $101,907,521 |
| IMPORTS | 129,911 | $104,779,405 | 8,723 | $46,084,214 |
| TOTAL I/O | 175,441 | $224,577,687 | 45,408 | $147,991,735 |

## TRADE ROUTE 21 ATL./W. COAST CEN. AMERICA & MEXICO

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS COMMODITY CODE | EXPORTS COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | IMPORTS COMMODITY CODE | IMPORTS COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 1,598 | $452,582 | 06 | SUGAR,MOLASSES,& HONEY | 44,387 | $1,826,354 |
| 51 | ORGANIC CHEMICALS | 1,024 | $375,000 | 33 | PETROLEUM&PETROLEUM PROD | 9,648 | $1,683,466 |
| 59 | CHEMICAL PROD & MATERIAL | 973 | $382,731 | | | | |
| 77 | ELEC MACH,APPAR & APPL | 3 | $29,421 | | | | |

### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 3,598 | $1,239,734 | 3 | $29,421 |
| IMPORTS | 54,035 | $3,509,820 | 0 | $0 |
| TOTAL I/O | 57,633 | $4,749,554 | 3 | $29,421 |

## TRADE ROUTE 71 ATL./W. COAST CEN. AMERICA & MEXICO

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 149,184 | $9,366,872 | 06 | SUGAR,MOLASSES,& HONEY | 140,822 | $61,224,001 |
| 04 | CEREALS & CEREAL PREPS | 28,850 | $3,480,605 | 05 | FRUIT AND VEGETABLES | 88,660 | $23,309,227 |
| 64 | PAPER,PAPERBOARD & MANUF | 20,186 | $4,940,102 | 27 | CRUDE FERTILIZER&MINERAL | 87,081 | $1,456,318 |
| 06 | SUGAR,MOLASSES,& HONEY | 9,883 | $3,006,700 | 07 | COFFEE,COCOA,TEA&SPICES | 20,240 | $54,604,425 |
| 24 | WOOD,LUMBER AND CORK | 449 | $100,094 | 67 | IRON AND STEEL | 16,725 | $5,193,925 |
| 71 | POWER GENERATING MACH | 270 | $5,450,468 | 08 | FEED-STUFF FOR ANIMALS | 1,968 | $738,541 |
| 02 | DAIRY PRODUCTS AND EGGS | 164 | $367,776 | 01 | MEAT & MEAT PREPARATIONS | 827 | $1,755,700 |
| 77 | ELEC MACH,APPAR & APPL | 143 | $875,197 | 03 | FISH & FISH PREPARATIONS | 174 | $1,573,970 |
| 67 | IRON AND STEEL | 132 | $25,691 | 84 | CLOTHING AND ACCESSORIES | 35 | $151,321 |
| 74 | GENERAL IND MACH & EQUIP | 130 | $883,908 | 63 | WOOD AND CORK MANUF | 17 | $10,691 |
| | ALL OTHER COMMODITIES | 816 | $2,528,479 | | ALL OTHER COMMODITIES | 32 | $286,716 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 210,207 | $31,025,892 | 289 | $5,481,061 |
| IMPORTS | 356,581 | $150,304,835 | 0 | $0 |
| TOTAL I/O | 566,788 | $181,330,727 | 289 | $5,481,061 |

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### TRADE ROUTE 71

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 259,335 | $152,063,908 | 36,977 | $107,418,003 |
| IMPORTS | 540,527 | $258,594,060 | 8,723 | $46,084,214 |
| TOTAL I/O | 799,862 | $410,657,968 | 45,700 | $153,502,217 |

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## TRADE ROUTE 22 GULF/W. COAST CEN. AMERICA & MEXICO

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 04 | CEREALS & CEREAL PREPS | 55,623 | $11,129,273 |
| 56 | MANUF FERTIL & MATERIALS | 11,716 | $1,927,769 |
| 58 | SYN RESINS,CELLU&PLASTIC | 2,693 | $2,140,863 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 2,300 | $597,046 |
| 52 | INORGANIC CHEMICALS | 2,140 | $1,111,566 |
| 64 | PAPER,PAPERBOARD & MANUF | 2,098 | $773,188 |
| 72 | MACH FOR SPECIALIZED INDU | 1,999 | $11,076,661 |
| 27 | CRUDE FERTILIZER&MINERAL | 1,792 | $102,507 |
| 33 | PETROLEUM&PETROLEUM PROD | 1,399 | $920,844 |
| 66 | NONMETALLIC MINERAL MANU | 1,359 | $472,438 |
|  | ALL OTHER COMMODITIES | 9,549 | $14,495,285 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 07 | COFFEE,COCOA,TEA&SPICES | 6,825 | $18,986,717 |
| 67 | IRON AND STEEL | 3,009 | $940,671 |
| 05 | FRUIT AND VEGETABLES | 2,352 | $548,648 |
| 65 | TEXTILE YARN,FABRIC&PROD | 511 | $408,321 |
| 87 | PROF,SCIE, & CONTR APPAR | 141 | $2,493,032 |
| 01 | MEAT & MEAT PREPARATIONS | 114 | $293,580 |
| 51 | ORGANIC CHEMICALS | 90 | $108,223 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 82 | $275,640 |
| 64 | PAPER,PAPERBOARD & MANUF | 81 | $114,690 |
| 28 | METALLIFEROUS ORE&SCRAPS | 77 | $58,233 |
|  | ALL OTHER COMMODITIES | 287 | $1,107,554 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 92,667 | $44,747,440 | 29,528 | $25,144,388 |
| IMPORTS | 13,569 | $25,333,309 | 3,819 | $10,354,142 |
| TOTAL I/O | 106,236 | $70,080,749 | 33,347 | $35,498,530 |

# TRADE ROUTE 22 GULF/W. COAST CEN. AMERICA & MEXICO

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 154,114 | $31,786,801 |
| 42 | VEGETABLE OILS & FATS | 24,287 | $13,617,560 |
| 41 | ANIMAL OILS AND FATS | 22,030 | $9,241,932 |
| 51 | ORGANIC CHEMICALS | 10,922 | $6,129,140 |
| 52 | INORGANIC CHEMICALS | 8,641 | $460,179 |
| 34 | GAS-NATURAL & MANUF | 4,261 | $1,405,987 |
| 56 | MANUF FERTIL & MATERIALS | 1,368 | $111,200 |
| 59 | CHEMICAL PROD & MATERIAL | 791 | $1,095,585 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 06 | SUGAR,MOLASSES,& HONEY | 167,061 | $7,310,945 |
| 33 | PETROLEUM&PETROLEUM PROD | 82,895 | $16,177,000 |
| 34 | GAS-NATURAL & MANUF | 6,721 | $1,502,400 |
| 51 | ORGANIC CHEMICALS | 2,746 | $1,030,061 |
| 65 | TEXTILE YARN,FABRIC&PROD | 1 | $1,255 |
| 93 | SPECIAL TRANSACTIONS NEC | 1 | $6,000 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 226,414 | $63,848,384 | 62,046 | $10,007,728 |
| IMPORTS | 259,425 | $26,027,661 | 1 | $6,000 |
| TOTAL I/O | 485,839 | $89,876,045 | 62,047 | $10,013,728 |

## TRADE ROUTE 72 GULF/W. COAST CEN. AMERICA & MEXICO

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,325,819 | $183,858,577 | 06 | SUGAR,MOLASSES,& HONEY | 209,562 | $86,439,246 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 395,630 | $94,031,169 | 27 | CRUDE FERTILIZER&MINERAL | 73,261 | $751,327 |
| 56 | MANUF FERTIL & MATERIALS | 136,407 | $20,357,654 | 07 | COFFEE,COCOA,TEA&SPICES | 13,454 | $36,977,684 |
| 08 | FEED-STUFF FOR ANIMALS | 86,069 | $22,575,766 | 08 | FEED-STUFF FOR ANIMALS | 5,715 | $1,926,274 |
| 32 | COAL,COKE AND BRIQUETS | 51,742 | $3,424,955 | 05 | FRUIT AND VEGETABLES | 1,704 | $309,148 |
| 27 | CRUDE FERTILIZER&MINERAL | 13,089 | $573,876 | 93 | SPECIAL TRANSACTIONS NEC | 112 | $15,505 |
| 52 | INORGANIC CHEMICALS | 8,406 | $840,926 | 69 | MANUFACTURES OF METAL | 26 | $4,812 |
| 33 | PETROLEUM&PETROLEUM PROD | 3,247 | $1,681,855 | 82 | FURNITURE | 20 | $39,707 |
| 64 | PAPER,PAPERBOARD & MANUF | 3,178 | $941,749 | 68 | NONFERROUS METALS | 18 | $21,883 |
| 68 | NONFERROUS METALS | 2,956 | $674,088 | 11 | ALCOHOLIC & NON,BEVERAGE | | $810 |
| | ALL OTHER COMMODITIES | 3,478 | $6,880,925 | | ALL OTHER COMMODITIES | | $329 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,030,021 | $335,741,540 | 138,056 | $21,826,728 |
| IMPORTS | 303,872 | $126,486,725 | 6,627 | $3,189,195 |
| TOTAL I/O | 2,333,893 | $462,228,265 | 144,683 | $25,015,923 |

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## TRADE ROUTE 72

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,349,102 | $444,337,364 | 229,630 | $56,978,844 |
| IMPORTS | 576,866 | $177,847,695 | 10,447 | $13,549,337 |
| TOTAL I/O | 2,925,968 | $622,185,059 | 240,077 | $70,528,181 |

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## TRADE ROUTE 80 G. L./W. COASTS MEXICO, CENTRAL AMER.

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 6,506 | $1,508,388 | 67 | IRON AND STEEL | 14 | $4,384 |
| 02 | DAIRY PRODUCTS AND EGGS | 6,029 | $3,419,625 | | | | |
| 42 | VEGETABLE OILS & FATS | 911 | $587,344 | | | | |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 13,446 | $5,515,357 | 0 | $0 |
| IMPORTS | 14 | $4,384 | 0 | $0 |
| TOTAL I/O | 13,460 | $5,519,741 | 0 | $0 |

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Trade Route No. 80-Great Lakes/ West Coast Mexico & Cent. America

No Tanker Service 1983

## TRADE ROUTE 80 G. L./W. COASTS MEXICO, CENTRAL AMER.

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 22 | OILSEEDS,OILNUTS&KERNELS | 40,743 | $9,326,841 | 67 | IRON AND STEEL | 32,607 | $10,597,950 |
| 04 | CEREALS & CEREAL PREPS | 24,041 | $4,231,859 | 58 | SYN RESINS,CELLU&PLASTIC | 71 | $58,539 |
| 02 | DAIRY PRODUCTS AND EGGS | 2,344 | $1,219,096 | 65 | TEXTILE YARN,FABRIC&PROD | 36 | $91,893 |
| 42 | VEGETABLE OILS & FATS | 285 | $184,209 | | | | |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 67,413 | $14,962,005 | 0 | $0 |
| IMPORTS | 32,714 | $10,748,382 | 0 | $0 |
| TOTAL I/O | 100,127 | $25,710,387 | 0 | $0 |

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## TRADE ROUTE 80

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 80,859 | $20,477,362 | 0 | $0 |
| IMPORTS | 32,728 | $10,752,766 | 0 | $0 |
| TOTAL I/O | 113,587 | $31,230,128 | 0 | $0 |

## TRADE ROUTE 81 ATL./ATL. CANADA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 93 | SPECIAL TRANSACTIONS NEC | 2,848 | $2,491,757 | 03 | FISH & FISH PREPARATIONS | 7,074 | $14,621,035 |
| 25 | PULP AND WASTEPAPER | 1,388 | $113,360 | 11 | ALCOHOLIC & NON,BEVERAGE | 6,284 | $4,233,450 |
| 05 | FRUIT AND VEGETABLES | 1,338 | $689,260 | 62 | TIRES AND TUBES FOR TIRES | 6,148 | $22,651,368 |
| 64 | PAPER,PAPERBOARD & MANUF | 1,016 | $537,661 | 78 | ROAD VEHICLES & PARTS | 5,451 | $30,629,456 |
| 08 | FEED-STUFF FOR ANIMALS | 472 | $93,678 | 28 | METALLIFEROUS ORE&SCRAPS | 5,137 | $494,497 |
| 69 | MANUFACTURES OF METAL | 469 | $1,321,582 | 67 | IRON AND STEEL | 3,332 | $702,425 |
| 58 | SYN RESINS,CELLU&PLASTIC | 449 | $906,705 | 64 | PAPER,PAPERBOARD & MANUF | 3,026 | $2,376,584 |
| 27 | CRUDE FERTILIZER&MINERAL | 380 | $40,227 | 69 | MANUFACTURES OF METAL | 2,150 | $2,237,660 |
| 67 | IRON AND STEEL | 344 | $584,062 | 05 | FRUIT AND VEGETABLES | 1,634 | $5,788,587 |
| 03 | FISH & FISH PREPARATIONS | 280 | $689,302 | 02 | DAIRY PRODUCTS AND EGGS | 848 | $753,464 |
| | ALL OTHER COMMODITIES | 2,581 | $10,595,366 | | ALL OTHER COMMODITIES | 6,250 | $22,337,089 |

---

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 11,565 | $18,062,960 | 447 | $100,876 |
| IMPORTS | 47,334 | $106,825,615 | 2,591 | $15,847,916 |
| TOTAL I/O | 58,899 | $124,888,575 | 3,038 | $15,948,792 |

## TRADE ROUTE 81 ATL./ATL. CANADA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

### EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 06 | SUGAR,MOLASSES,& HONEY | 22,272 | $859,902 |
| 33 | PETROLEUM&PETROLEUM PROD | 13,894 | $3,926,685 |
| 52 | INORGANIC CHEMICALS | 4,550 | $378,603 |
| 66 | NONMETALLIC MINERAL MANU | 17 | $6,623 |
| 63 | WOOD AND CORK MANUF | 11 | $4,794 |
| 69 | MANUFACTURES OF METAL | 6 | $9,772 |
| 24 | WOOD,LUMBER AND CORK | 5 | $2,568 |
| 56 | MANUF FERTIL & MATERIALS | 4 | $865 |
| 78 | ROAD VEHICLES & PARTS | 4 | $6,665 |
| 51 | ORGANIC CHEMICALS | | $541 |
| | ALL OTHER COMMODITIES | | $2,605 |

### IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 570,445 | $146,765,409 |
| 52 | INORGANIC CHEMICALS | 62,299 | $1,897,366 |
| 51 | ORGANIC CHEMICALS | 2,861 | $1,405,601 |
| 03 | FISH & FISH PREPARATIONS | 40 | $61,001 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 40,763 | $5,199,623 | 4,550 | $378,603 |
| IMPORTS | 635,645 | $150,129,377 | 0 | $0 |
| TOTAL I/O | 676,408 | $155,329,000 | 4,550 | $378,603 |

## TRADE ROUTE 81 ATL./ATL. CANADA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 32 | COAL,COKE AND BRIQUETS | 217,270 | $18,654,659 | 27 | CRUDE FERTILIZER&MINERAL | 4,365,874 | $39,895,426 |
| 27 | CRUDE FERTILIZER&MINERAL | 59,311 | $2,902,951 | 28 | METALLIFEROUS ORE&SCRAPS | 2,584,011 | $101,790,698 |
| 56 | MANUF FERTIL & MATERIALS | 10,232 | $1,191,570 | 64 | PAPER,PAPERBOARD & MANUF | 294,328 | $110,866,540 |
| 04 | CEREALS & CEREAL PREPS | 7,384 | $923,701 | 67 | IRON AND STEEL | 8,708 | $2,222,168 |
| 64 | PAPER,PAPERBOARD & MANUF | 1,254 | $52,081 | 24 | WOOD,LUMBER AND CORK | 7,944 | $1,813,727 |
| 69 | MANUFACTURES OF METAL | 694 | $178,380 | 33 | PETROLEUM&PETROLEUM PROD | 7,565 | $2,031,573 |
| 03 | FISH & FISH PREPARATIONS | 189 | $30,828 | 03 | FISH & FISH PREPARATIONS | 4,801 | $3,358,180 |
| 72 | MACH FOR SPECIALIZED INDU | 85 | $1,153,772 | 29 | ANIMAL&VEGETA MATERIALS | 351 | $154,978 |
| 66 | NONMETALLIC MINERAL MANU | 45 | $5,170 | 02 | DAIRY PRODUCTS AND EGGS | 156 | $100,235 |
| 65 | TEXTILE YARN,FABRIC&PROD | 35 | $3,986 | 11 | ALCOHOLIC & NON,BEVERAGE | 83 | $75,375 |
| | ALL OTHER COMMODITIES | 79 | $184,126 | | ALL OTHER COMMODITIES | 116 | $198,252 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 296,578 | $25,281,224 | 70 | $19,530 |
| IMPORTS | 7,273,937 | $262,507,152 | 240 | $218,020 |
| TOTAL I/O | 7,570,515 | $287,788,376 | 310 | $237,550 |

---

### TRADE ROUTE 81

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 348,906 | $48,543,807 | 5,067 | $499,009 |
| IMPORTS | 7,956,916 | $519,462,144 | 2,831 | $16,065,936 |
| TOTAL I/O | 8,305,822 | $568,005,951 | 7,898 | $16,564,965 |

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TRADE ROUTE 82 GULF/ATL. CANADA

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 51 | ORGANIC CHEMICALS | 1,028 | $328,898 |
| 89 | MISC MANUF ARTICLES | 6 | $28,000 |
| 74 | GENERAL IND MACH & EQUIP | 3 | $100,000 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 28 | METALLIFEROUS ORE&SCRAPS | 6,874 | $613,628 |
| 67 | IRON AND STEEL | 5,927 | $2,027,759 |
| 27 | CRUDE FERTILIZER&MINERAL | 4,912 | $448,429 |
| 68 | NONFERROUS METALS | 411 | $565,916 |
| 24 | WOOD,LUMBER AND CORK | 71 | $24,925 |
| 03 | FISH & FISH PREPARATIONS | 69 | $129,153 |
| 89 | MISC MANUF ARTICLES | 62 | $300,891 |
| 69 | MANUFACTURES OF METAL | 58 | $115,214 |
| 74 | GENERAL IND MACH & EQUIP | 30 | $467,564 |
| 64 | PAPER,PAPERBOARD & MANUF | 20 | $9,720 |
|  | ALL OTHER COMMODITIES | 41 | $536,292 |

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TOTAL TONNAGE AND VALUE

LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,037 | $456,898 | 0 | $0 |
| IMPORTS | 18,475 | $5,239,491 | 4,878 | $291,760 |
| TOTAL I/O | 19,512 | $5,696,389 | 4,878 | $291,760 |

## TRADE ROUTE 82 GULF/ATL. CANADA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 583,965 | $119,283,861 | 51 | ORGANIC CHEMICALS | 68,105 | $30,225,452 |
| 52 | INORGANIC CHEMICALS | 76,669 | $5,575,557 | 33 | PETROLEUM&PETROLEUM PROD | 16,479 | $5,446,757 |
| 51 | ORGANIC CHEMICALS | 6,500 | $1,918,457 | 42 | VEGETABLE OILS & FATS | 1,006 | $359,860 |
| | | | | 93 | SPECIAL TRANSACTIONS NEC | 1 | $1,200 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 667,134 | $126,777,875 | 68,212 | $14,764,180 |
| IMPORTS | 85,591 | $36,033,269 | 0 | $0 |
| TOTAL I/C | 752,725 | $162,811,144 | 68,212 | $14,764,180 |

## TRADE ROUTE 82 GULF/ATL. CANADA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 419,858 | $9,792,586 | 27 | CRUDE FERTILIZER&MINERAL | 722,128 | $5,784,680 |
| 56 | MANUF FERTIL & MATERIALS | 198,916 | $27,281,505 | 28 | METALLIFEROUS ORE&SCRAPS | 560,920 | $28,131,061 |
| 33 | PETROLEUM&PETROLEUM PROD | 128,403 | $13,160,451 | 32 | COAL,COKE AND BRIQUETS | 324,869 | $10,376,762 |
| 32 | COAL,COKE AND BRIQUETS | 17,463 | $535,000 | 64 | PAPER,PAPERBOARD & MANUF | 54,705 | $22,586,012 |
| 25 | PULP AND WASTEPAPER | 347 | $100,332 | 67 | IRON AND STEEL | 41,775 | $13,971,051 |
| 72 | MACH FOR SPECIALIZED INDU | 218 | $7,015,309 | 66 | NONMETALLIC MINERAL MANU | 41,217 | $2,185,020 |
| 64 | PAPER,PAPERBOARD & MANUF | 103 | $41,598 | 68 | NONFERROUS METALS | 5,137 | $5,735,741 |
| 89 | MISC MANUF ARTICLES | 4 | $19,256 | 24 | WOOD,LUMBER AND CORK | 2,871 | $902,262 |
| 69 | MANUFACTURES OF METAL | 1 | $9,018 | 33 | PETROLEUM&PETROLEUM PROD | 252 | $36,036 |
| 78 | ROAD VEHICLES & PARTS | 1 | $9,040 | 78 | ROAD VEHICLES & PARTS | 5 | $14,167 |
| | ALL OTHER COMMODITIES | | $8,463 | | ALL OTHER COMMODITIES | 1 | $350,127 |

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### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 755,314 | $57,972,558 | 0 | $0 |
| IMPORTS | 1,753,880 | $90,072,919 | 0 | $0 |
| TOTAL I/O | 2,509,194 | $148,045,477 | 0 | $0 |

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### TRADE ROUTE 82

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,423,485 | $185,207,331 | 68,212 | $14,764,180 |
| IMPORTS | 1,857,946 | $131,345,679 | 4,878 | $291,760 |
| TOTAL I/O | 3,281,431 | $316,553,010 | 73,090 | $15,055,940 |

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## TRADE ROUTE 83 PAC/ATL CANADA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 85 | FOOTWARE-NEW | 2,165 | $3,505,530 | 32 | COAL,COKE AND BRIQUETS | 53,899 | $1,855,679 |
| 84 | CLOTHING AND ACCESSORIES | 716 | $16,095,276 | 11 | ALCOHOLIC & NON,BEVERAGE | 17,540 | $6,912,970 |
| 69 | MANUFACTURES OF METAL | 531 | $37,735,545 | 67 | IRON AND STEEL | 3,971 | $616,443 |
| 11 | ALCCHOLIC & NON,BEVERAGE | 518 | $2,555,145 | 64 | PAPER,PAPERBOARD & MANUF | 3,447 | $1,641,426 |
| 66 | NONMETALLIC MINERAL MANU | 470 | $7,080,703 | 62 | TIRES AND TUBES FOR TIRES | 867 | $3,400,727 |
| 89 | MISC MANUF ARTICLES | 373 | $7,531,294 | 66 | NONMETALLIC MINERAL MANU | 494 | $365,101 |
| 65 | TEXTILE YARN,FABRIC&PROD | 285 | $5,558,588 | 59 | CHEMICAL PROD & MATERIAL | 295 | $279,131 |
| 03 | FISH & FISH PREPARATIONS | 135 | $54,911,682 | 03 | FISH & FISH PREPARATIONS | 253 | $362,743 |
| 67 | IRON ANC STEEL | 122 | $895,142 | 06 | SUGAR,MOLASSES,& HONEY | 90 | $287,723 |
| 83 | TRAVEL GOODS & HANBAGS | 117 | $2,628,124 | 93 | SPECIAL TRANSACTIONS NEC | 85 | $78,336 |
| | ALL OTHER COMMODITIES | 762 | $14,341,294 | | ALL OTHER COMMODITIES | 310 | $703,191 |

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 6,194 | $152,838,323 | 7 | $39,041 |
| IMPORTS | 81,251 | $16,503,470 | 134 | $376,383 |
| TOTAL I/O | 87,445 | $169,341,793 | 141 | $415,424 |

## TRADE ROUTE 83 PAC/ATL CANADA

### 1983 COMMODITIES

### TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 76,403 | $19,932,241 | 33 | PETROLEUM&PETROLEUM PROD | 7,476 | $1,946,156 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 21 | $8,120 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 76,403 | $19,932,241 | 0 | $0 |
| IMPORTS | 7,497 | $1,954,276 | 21 | $8,120 |
| TOTAL I/O | 83,900 | $21,886,517 | 21 | $8,120 |

## TRADE ROUTE 83 PAC/ATL CANADA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 74 | GENERAL IND MACH & EQUIP | 543 | $3,878,902 | 32 | COAL,COKE AND BRIQUETS | 53,895 | $1,855,679 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 446 | $4,000 | 27 | CRUDE FERTILIZER&MINERAL | 44,120 | $278,756 |
| 93 | SPECIAL TRANSACTIONS NEC | 2 | $2,229 | 28 | METALLIFEROUS ORE&SCRAPS | 22,578 | $913,280 |
| | | | | 24 | WOOD,LUMBER AND CORK | 3,515 | $185,261 |
| | | | | 25 | PULP AND WASTEPAPER | 1,636 | $568,887 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 702 | $276,279 |
| | | | | 63 | WOOD AND CORK MANUF | 111 | $51,694 |
| | | | | 59 | CHEMICAL PROD & MATERIAL | 23 | $25,165 |
| | | | | 03 | FISH & FISH PREPARATIONS | 19 | $22,608 |
| | | | | 71 | POWER GENERATING MACH | 14 | $119,256 |
| | | | | | ALL OTHER COMMODITIES | 1 | $12,000 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 991 | $3,885,131 | 0 | $0 |
| IMPORTS | 126,618 | $4,308,865 | 0 | $0 |
| TOTAL I/O | 127,609 | $8,193,996 | 0 | $0 |

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## TRADE ROUTE 83

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 83,588 | $176,655,695 | 7 | $39,041 |
| IMPORTS | 215,366 | $22,766,611 | 155 | $384,503 |
| TOTAL I/O | 298,954 | $199,422,306 | 162 | $423,544 |

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## TRADE ROUTE 85 ATL./PAC. CANADA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 05 | FRUIT AND VEGETABLES | 19 | $33,973 |
| 84 | CLOTHING AND ACCESSORIES | 16 | $88,325 |
| 64 | PAPER,PAPERBOARD & MANUF | 5 | $5,702 |
| 65 | TEXTILE YARN,FABRIC&PROD | 4 | $30,440 |
| 77 | ELEC MACH,APPAR & APPL | 3 | $64,129 |
| 03 | FISH & FISH PREPARATIONS | 1 | $7,519 |
| 89 | MISC MANUF ARTICLES | 1 | $10,527 |
| 53 | DYEING,TANNING&COLO MATS | | $600 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | | $1,391 |
| 58 | SYN RESINS,CELLU&PLASTIC | | $3,868 |
| | ALL OTHER COMMODITIES | | $2,551 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 64 | PAPER,PAPERBOARD & MANUF | 4,409 | $1,675,412 |
| 24 | WOOD,LUMBER AND CORK | 3,567 | $324,591 |
| 66 | NONMETALLIC MINERAL MANU | 862 | $83,490 |
| 03 | FISH & FISH PREPARATIONS | 232 | $318,990 |
| 07 | COFFEE,COCOA,TEA&SPICES | 126 | $302,341 |
| 63 | WOOD AND CORK MANUF | 120 | $56,039 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 61 | $23,912 |
| 93 | SPECIAL TRANSACTIONS NEC | 24 | $572,710 |
| 83 | TRAVEL GOODS & HANDBAGS | 23 | $47,263 |
| 27 | CRUDE FERTILIZER&MINERAL | 14 | $1,338 |
| | ALL OTHER COMMODITIES | 26 | $113,922 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 49 | $249,025 | 35 | $172,117 |

| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 9,464 | $3,519,988 | 2,929 | $157,633 |

| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 9,513 | $3,769,013 | 2,964 | $329,750 |

TRADE ROUTE 85 ATL./PAC. CANADA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 33 | PETROLEUM&PETROLEUM PROD | 53,594 | $14,219,802 |
| | | | | 51 | ORGANIC CHEMICALS | 36,625 | $5,264,837 |
| | | | | 24 | WOOD,LUMBER AND CORK | 4,604 | $767,606 |
| | | | | 52 | INORGANIC CHEMICALS | 2,590 | $104,254 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 0 | $0 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 97,413 | $20,356,499 | 9,840 | $2,206,697 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 97,413 | $20,356,499 | 9,840 | $2,206,697 |

## TRADE ROUTE 85 ATL./PAC. CANADA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 242,142 | $7,880,388 | 24 | WOOD,LUMBER AND CORK | 849,893 | $181,986,559 |
| 32 | COAL,COKE AND BRIQUETS | 9,800 | $577,530 | 27 | CRUDE FERTILIZER&MINERAL | 214,451 | $2,112,982 |
| 25 | PULP AND WASTEPAPER | 75 | $21,814 | 56 | MANUF FERTIL & MATERIALS | 63,931 | $4,464,082 |
| 77 | ELEC MACH,APPAR & APPL | 39 | $45,234 | 52 | INORGANIC CHEMICALS | 10,162 | $413,002 |
| 29 | ANIMAL&VEGETA MATERIALS | 20 | $29,383 | 25 | PULP AND WASTEPAPER | 3,048 | $1,042,203 |
| 58 | SYN RESINS,CELLU&PLASTIC | 20 | $29,194 | 67 | IRON AND STEEL | 1,122 | $138,259 |
| 79 | TRANSPORT EQUIP-RAIL,AIR, | 13 | $70,000 | 03 | FISH & FISH PREPARATIONS | 905 | $1,830,094 |
| 51 | ORGANIC CHEMICALS | 9 | $11,350 | 69 | MANUFACTURES OF METAL | 13 | $15,638 |
| 59 | CHEMICAL PROD & MATERIAL | 9 | $10,800 | 78 | ROAD VEHICLES & PARTS | 10 | $136,258 |
| 33 | PETROLEUM&PETROLEUM PROD | 8 | $13,330 | 29 | ANIMAL&VEGETA MATERIALS | 2 | $924 |
| | ALL OTHER COMMODITIES | 3 | $11,800 | | ALL OTHER COMMODITIES | | $879 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 252,138 | $8,700,823 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,143,537 | $192,140,880 | 1 | $324 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,395,675 | $200,841,703 | 1 | $324 |

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## TRADE ROUTE 85

| | | | | |
|---|---|---|---|---|
| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 252,187 | $8,949,848 | 35 | $172,117 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,250,414 | $216,017,367 | 12,770 | $2,364,654 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 1,502,601 | $224,967,215 | 12,805 | $2,536,771 |

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## TRADE ROUTE 86 GULF/PAC. CANADA

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 66 | NONMETALLIC MINERAL MANU | 10,714 | $372,000 |
| | | | | 24 | WOOD,LUMBER AND CORK | 312 | $77,188 |
| | | | | 06 | SUGAR,MOLASSES,& HONEY | 67 | $51,904 |
| | | | | 52 | INORGANIC CHEMICALS | 38 | $14,364 |
| | | | | 03 | FISH & FISH PREPARATIONS | 36 | $7,858 |
| | | | | 01 | MEAT & MEAT PREPARATIONS | 17 | $33,647 |
| | | | | 73 | METALWORKING MACHINERY | 13 | $30,146 |
| | | | | 69 | MANUFACTURES OF METAL | 7 | $14,067 |
| | | | | 79 | TRANSPORT EQUIP-RAIL,AIR, | 4 | $34,483 |
| | | | | 28 | METALLIFEROUS ORE&SCRAPS | | $4,708,566 |

---

## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 11,208 | $5,344,223 | 40 | $42,341 |
| TOTAL I/O | 11,208 | $5,344,223 | 40 | $42,341 |

## TRADE ROUTE 86 GULF/PAC. CANADA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 51 | ORGANIC CHEMICALS | 3,155 | $1,070,618 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 106,326 | $23,160,348 |
| 51 | ORGANIC CHEMICALS | 62,851 | $7,579,319 |
| 59 | CHEMICAL PROD & MATERIAL | 11,211 | $2,937,204 |
| 52 | INORGANIC CHEMICALS | 3,794 | $808,652 |

---

## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 3,155 | $1,070,618 | 0 | $0 |
| **IMPORTS** | **TOTAL TONS** | **TOTAL $VALUE** | **U.S. TONS** | **U.S. $VALUE** |
| | 184,182 | $34,485,523 | 19,246 | $4,162,014 |
| **TOTAL I/O** | **TOTAL TONS** | **TOTAL $VALUE** | **U.S. TONS** | **U.S. $VALUE** |
| | 187,337 | $35,556,141 | 19,246 | $4,162,014 |

## TRADE ROUTE 86 GULF/PAC. CANADA

### 1983 COMMODITIES

### NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 507,325 | $15,915,031 | 24 | WOOD,LUMBER AND CORK | 83,235 | $25,279,192 |
| 33 | PETRCLEUM&PETROLEUM PROD | 20,520 | $872,981 | 56 | MANUF FERTIL & MATERIALS | 43,570 | $3,250,767 |
| | | | | 28 | METALLIFEROUS ORE&SCRAPS | 2,011 | $95,673 |
| | | | | 33 | PETROLEUM&PETROLEUM PROD | 47 | $2,865 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 15 | $24,206 |

---

### TOTAL TONNAGE AND VALUE

### NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 527,845 | $16,788,012 | 0 | $0 |
| IMPORTS | 128,878 | $28,652,703 | 0 | $0 |
| TOTAL I/O | 656,723 | $45,440,715 | 0 | $0 |

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### TRADE ROUTE 86

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 531,000 | $17,858,630 | 0 | $0 |
| IMPORTS | 324,268 | $68,482,449 | 19,286 | $4,204,355 |
| TOTAL I/O | 855,268 | $86,341,079 | 19,286 | $4,204,355 |

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TRADE ROUTE 87 PAC./PAC. CANADA

1983 COMMODITIES

LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 05 | FRUIT AND VEGETABLES | 17,097 | $46,058,700 | 24 | WOOD,LUMBER AND CORK | 15,711 | $2,102,609 |
| 27 | CRUDE FERTILIZER&MINERAL | 8,632 | $166,822 | 03 | FISH & FISH PREPARATIONS | 3,107 | $2,151,807 |
| 24 | WOOD,LUMBER AND CORK | 2,272 | $754,394 | 63 | WOOD AND CORK MANUF | 1,652 | $696,633 |
| 07 | COFFEE,COCOA,TEA&SPICES | 1,339 | $3,582,092 | 58 | SYN RESINS,CELLU&PLASTIC | 674 | $647,572 |
| 25 | PULP AND WASTEPAPER | 1,108 | $622,920 | 78 | ROAD VEHICLES & PARTS | 565 | $3,155,646 |
| 28 | METALLIFEROUS ORE&SCRAPS | 1,018 | $7,012,965 | 64 | PAPER,PAPERBOARD & MANUF | 339 | $129,855 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 607 | $3,581,568 | 52 | INORGANIC CHEMICALS | 248 | $203,300 |
| 01 | MEAT & MEAT PREPARATIONS | 595 | $4,997,218 | 05 | FRUIT AND VEGETABLES | 168 | $384,504 |
| 63 | WOOD AND CORK MANUF | 398 | $2,288,785 | 11 | ALCOHOLIC & NON,BEVERAGE | 156 | $101,221 |
| 64 | PAPER,PAPERBOARD & MANUF | 342 | $1,776,407 | 68 | NONFERROUS METALS | 142 | $122,664 |
| | ALL OTHER COMMODITIES | 3,327 | $50,804,578 | | ALL OTHER COMMODITIES | 286 | $1,469,171 |

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TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 36,735 | $121,646,449 | 1,527 | $6,766,708 |
| IMPORTS | 23,048 | $11,162,982 | 6,258 | $1,066,093 |
| TOTAL I/O | 59,783 | $132,809,431 | 7,785 | $7,832,801 |

## TRADE ROUTE 87 PAC./PAC. CANADA

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 121,280 | $21,034,502 |
| 51 | ORGANIC CHEMICALS | 1,845 | $332,069 |
| 74 | GENERAL IND MACH & EQUIP | 3 | $5,000 |
| 78 | ROAD VEHICLES & PARTS | 2 | $2,700 |
| 69 | MANUFACTURES OF METAL | | $1,888 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 33 | PETROLEUM&PETROLEUM PROD | 300,445 | $85,928,002 |
| 51 | ORGANIC CHEMICALS | 72,264 | $14,654,145 |
| 64 | PAPER,PAPERBOARD & MANUF | 45,233 | $21,171,937 |
| 27 | CRUDE FERTILIZER&MINERAL | 15,643 | $33,465 |
| 28 | METALLIFEROUS ORE&SCRAPS | 9,842 | $3,324,986 |
| 52 | INORGANIC CHEMICALS | 2,977 | $834,369 |
| 24 | WOOD,LUMBER AND CORK | 387 | $92,874 |
| 03 | FISH & FISH PREPARATIONS | 73 | $16,342 |
| 69 | MANUFACTURES OF METAL | 12 | $10,497 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 123,130 | $21,376,159 | 53,781 | $9,269,620 |
| IMPORTS | 446,876 | $126,066,617 | 167,610 | $49,450,916 |
| TOTAL I/O | 570,006 | $147,442,776 | 221,391 | $58,720,536 |

TRADE ROUTE 87 PAC./PAC. CANADA

1983 COMMODITIES

NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 27 | CRUDE FERTILIZER&MINERAL | 711,763 | $4,278,946 | 24 | WOOD,LUMBER AND CORK | 1,245,659 | $86,874,120 |
| 52 | INORGANIC CHEMICALS | 77,220 | $7,759,996 | 27 | CRUDE FERTILIZER&MINERAL | 1,203,871 | $3,718,984 |
| 33 | PETROLEUM&PETROLEUM PROD | 59,104 | $3,402,297 | 64 | PAPER,PAPERBOARD & MANUF | 615,481 | $263,065,712 |
| 25 | PULP AND WASTEPAPER | 36,735 | $12,814,455 | 28 | METALLIFEROUS ORE&SCRAPS | 90,170 | $34,150,091 |
| 24 | WOOD,LUMBER AND CORK | 15,833 | $1,018,932 | 66 | NONMETALLIC MINERAL MANU | 65,086 | $2,977,970 |
| 56 | MANUF FERTIL & MATERIALS | 7,592 | $194,804 | 32 | COAL,COKE AND BRIQUETS | 50,907 | $2,091,043 |
| 05 | FRUIT AND VEGETABLES | 1,452 | $708,886 | 25 | PULP AND WASTEPAPER | 48,819 | $17,594,736 |
| 03 | FISH & FISH PREPARATIONS | 1,120 | $5,195,000 | 63 | WOOD AND CORK MANUF | 11,531 | $4,417,586 |
| 67 | IRON AND STEEL | 948 | $695,752 | 33 | PETROLEUM&PETROLEUM PROD | 11,461 | $1,470,438 |
| 78 | ROAD VEHICLES & PARTS | 617 | $82,865 | 03 | FISH & FISH PREPARATIONS | 2,770 | $869,464 |
| | ALL OTHER COMMODITIES | 1,171 | $1,654,128 | | ALL OTHER COMMODITIES | 5,959 | $2,111,903 |

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TOTAL TONNAGE AND VALUE

NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 913,555 | $37,806,061 | 61,161 | $17,288,999 |
| IMPORTS | 3,351,714 | $419,342,047 | 301,091 | $97,210,950 |
| TOTAL I/O | 4,265,269 | $457,148,108 | 362,252 | $114,499,949 |

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TRADE ROUTE 87

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,073,420 | $180,828,669 | 116,469 | $33,325,327 |
| IMPORTS | 3,821,638 | $556,571,646 | 474,959 | $147,727,959 |
| TOTAL I/O | 4,895,058 | $737,400,315 | 591,428 | $181,053,286 |

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## TRADE ROUTE 89 G. L./ATL. CANADA

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 24 | WOOD,LUMBER AND CORK | 750 | $180,700 | 74 | GENERAL IND MACH & EQUIP | 149 | $280,030 |
| | | | | 52 | INORGANIC CHEMICALS | 32 | $26,953 |
| | | | | 67 | IRON AND STEEL | 18 | $16,611 |
| | | | | 79 | TRANSPORT EQUIP-RAIL,AIR, | 8 | $64,750 |
| | | | | 89 | MISC MANUF ARTICLES | 3 | $36,803 |
| | | | | 69 | MANUFACTURES OF METAL | 1 | $6,067 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| EXPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| | 750 | $180,700 | 0 | $0 |
| IMPORTS | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 211 | $431,214 | 0 | $0 |
| TOTAL I/O | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
| | 961 | $611,914 | 0 | $0 |

TRADE ROUTE 89 G. L./ATL. CANADA

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| | | | | 33 | PETROLEUM&PETROLEUM PROD | 29,911 | $5,351,214 |
| | | | | 68 | NONFERROUS METALS | 71 | $122,294 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 0 | $0 | 0 | $0 |
| IMPORTS | 29,982 | $5,473,508 | 6,789 | $1,399,146 |
| TOTAL I/O | 29,982 | $5,473,508 | 6,789 | $1,399,146 |

## TRADE ROUTE 89 G. L./ATL. CANADA

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 1,646,161 | $241,259,849 | 28 | METALLIFEROUS ORE&SCRAPS | 5,739,233 | $228,047,780 |
| 32 | COAL,COKE AND BRIQUETS | 375,275 | $18,296,644 | 67 | IRON AND STEEL | 93,852 | $16,467,353 |
| 33 | PETROLEUM&PETROLEUM PROD | 345,073 | $19,403,166 | 56 | MANUF FERTIL & MATERIALS | 17,857 | $460,000 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 125,279 | $33,562,815 | 52 | INORGANIC CHEMICALS | 8,758 | $408,246 |
| 27 | CRUDE FERTILIZER&MINERAL | 54,776 | $1,040,601 | 25 | PULP AND WASTEPAPER | 6,341 | $2,976,844 |
| 67 | IRON AND STEEL | 307 | $202,306 | 66 | NONMETALLIC MINERAL MANU | 5,603 | $224,535 |
| | | | | 68 | NONFERROUS METALS | 5,022 | $6,489,538 |
| | | | | 11 | ALCOHOLIC & NON,BEVERAGE | 357 | $375,236 |
| | | | | 59 | CHEMICAL PROD & MATERIAL | 56 | $136,854 |
| | | | | 78 | ROAD VEHICLES & PARTS | 32 | $673,800 |
| | | | | | ALL OTHER COMMODITIES | 62 | $335,067 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,546,871 | $313,765,381 | 0 | $0 |
| IMPORTS | 5,877,173 | $256,595,253 | 0 | $0 |
| TOTAL I/O | 8,424,044 | $570,360,634 | 0 | $0 |

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## TRADE ROUTE 89

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 2,547,621 | $313,946,081 | 0 | $0 |
| IMPORTS | 5,907,366 | $262,499,975 | 6,789 | $1,399,146 |
| TOTAL I/O | 8,454,987 | $576,446,056 | 6,789 | $1,399,146 |

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## TRADE ROUTE 91 P. R. & VIRGIN IS./FOREIGN

### 1983 COMMODITIES

### LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 04 | CEREALS & CEREAL PREPS | 33,469 | $51,340,823 | 67 | IRON AND STEEL | 77,317 | $34,518,888 |
| 64 | PAPER,PAPERBOARD & MANUF | 30,175 | $29,132,235 | 66 | NONMETALLIC MINERAL MANU | 33,779 | $17,617,670 |
| 58 | SYN RESINS,CELLU&PLASTIC | 25,863 | $31,198,891 | 05 | FRUIT AND VEGETABLES | 30,491 | $31,266,126 |
| 05 | FRUIT AND VEGETABLES | 23,221 | $64,449,840 | 01 | MEAT & MEAT PREPARATIONS | 19,776 | $45,201,768 |
| 06 | SUGAR,MOLASSES,& HONEY | 23,063 | $14,173,284 | 03 | FISH & FISH PREPARATIONS | 19,485 | $24,148,469 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 21,293 | $52,451,024 | 63 | WOOD AND CORK MANUF | 19,453 | $13,646,694 |
| 01 | MEAT & MEAT PREPARATIONS | 15,216 | $22,976,629 | 07 | COFFEE,COCOA,TEA&SPICES | 18,394 | $121,308,253 |
| 02 | DAIRY PRODUCTS AND EGGS | 12,354 | $57,059,501 | 11 | ALCOHOLIC & NON,BEVERAGE | 12,105 | $19,761,128 |
| 33 | PETROLEUM&PETROLEUM PROD | 11,682 | $9,748,113 | 08 | FEED-STUFF FOR ANIMALS | 11,868 | $2,423,617 |
| 66 | NONMETALLIC MINERAL MANU | 11,337 | $27,977,653 | 89 | MISC MANUF ARTICLES | 7,727 | $25,892,058 |
| | ALL OTHER COMMODITIES | 144,233 | $549,195,111 | | ALL OTHER COMMODITIES | 90,695 | $323,206,586 |

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### TOTAL TONNAGE AND VALUE

### LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 351,906 | $909,703,104 | 175,852 | $450,570,767 |
| IMPORTS | 341,070 | $658,969,257 | 63,955 | $152,625,340 |
| TOTAL I/O | 692,976 | $1,568,672,361 | 239,807 | $603,196,107 |

## TRADE ROUTE 91 P. R. & VIRGIN IS./FOREIGN

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS |  |  |  | IMPORTS |  |  |  |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 467,646 | $126,840,124 | 33 | PETROLEUM&PETROLEUM PROD | 19,586,445 | $4,233,173,098 |
| 51 | ORGANIC CHEMICALS | 190,366 | $92,707,146 | 06 | SUGAR,MOLASSES,& HONEY | 188,851 | $10,003,436 |
| 08 | FEED-STUFF FOR ANIMALS | 1,786 | $43,000 | 34 | GAS-NATURAL & MANUF | 147,573 | $46,544,315 |
| 25 | PULP AND WASTEPAPER | 667 | $273,000 | 51 | ORGANIC CHEMICALS | 78,416 | $28,264,837 |
| 66 | NONMETALLIC MINERAL MANU | 213 | $21,835 | 52 | INORGANIC CHEMICALS | 12,794 | $712,162 |
| 24 | WOOD,LUMBER AND CORK | 96 | $27,365 | 66 | NONMETALLIC MINERAL MANU | 20 | $8,120 |
| 11 | ALCOHOLIC & NON,BEVERAGE | 16 | $10,465 | 02 | DAIRY PRODUCTS AND EGGS | 4 | $11,218 |
| 69 | MANUFACTURES OF METAL | 4 | $9,742 | 69 | MANUFACTURES OF METAL | 4 | $7,701 |
| 82 | FURNITURE | 4 | $9,097 | 11 | ALCOHOLIC & NON,BEVERAGE | 2 | $1,168 |
| 05 | FRUIT AND VEGETABLES | 3 | $2,970 | 65 | TEXTILE YARN,FABRIC&PROD | 2 | $23,439 |
|  | ALL OTHER COMMODITIES | 4 | $14,106 |  | ALL OTHER COMMODITIES | 3 | $78,152 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 660,805 | $219,958,850 | 0 | $0 |
| IMPORTS | 20,014,114 | $4,318,807,646 | 1,796,790 | $354,434,626 |
| TOTAL I/O | 20,674,919 | $4,538,766,496 | 1,796,790 | $354,434,626 |

# TRADE ROUTE 91 P. R. & VIRGIN IS./FOREIGN

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 28 | METALLIFEROUS ORE&SCRAPS | 441,116 | $95,525,836 | 28 | METALLIFEROUS ORE&SCRAPS | 1,058,482 | $15,986,634 |
| 33 | PETROLEUM&PETROLEUM PROD | 107,693 | $35,201,569 | 32 | COAL,COKE AND BRIQUETS | 214,835 | $9,237,641 |
| 27 | CRUDE FERTILIZER&MINERAL | 86,179 | $11,836,195 | 03 | FISH & FISH PREPARATIONS | 128,010 | $139,212,346 |
| 25 | PULP AND WASTEPAPER | 79,348 | $11,029,892 | 67 | IRON AND STEEL | 87,584 | $39,515,026 |
| 04 | CEREALS & CEREAL PREPS | 25,493 | $20,365,940 | 27 | CRUDE FERTILIZER&MINERAL | 74,798 | $2,248,722 |
| 05 | FRUIT AND VEGETABLES | 19,769 | $27,712,576 | 78 | ROAD VEHICLES & PARTS | 74,550 | $349,692,225 |
| 66 | NONMETALLIC MINERAL MANU | 19,589 | $36,147,510 | 08 | FEED-STUFF FOR ANIMALS | 70,264 | $8,015,246 |
| 69 | MANUFACTURES OF METAL | 16,892 | $38,330,491 | 66 | NONMETALLIC MINERAL MANU | 51,766 | $26,181,505 |
| 64 | PAPER,PAPERBOARD & MANUF | 16,349 | $14,040,243 | 24 | WOOD,LUMBER AND CORK | 50,162 | $9,164,935 |
| 58 | SYN RESINS,CELLU&PLASTIC | 11,774 | $19,041,744 | 64 | PAPER,PAPERBOARD & MANUF | 50,111 | $29,191,774 |
| | ALL OTHER COMMODITIES | 146,801 | $535,152,199 | | ALL OTHER COMMODITIES | 260,897 | $512,531,445 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 971,003 | $844,354,095 | 28,480 | $26,967,854 |
| IMPORTS | 2,121,459 | $1,140,975,499 | 16,784 | $18,048,875 |
| TOTAL I/O | 3,092,462 | $1,985,329,594 | 45,264 | $45,016,729 |

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## TRADE ROUTE 91

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 1,983,714 | $1,974,016,049 | 204,332 | $677,538,621 |
| IMPORTS | 22,476,643 | $6,118,752,402 | 1,877,529 | $525,108,841 |
| TOTAL I/O | 24,460,357 | $8,092,768,451 | 2,081,861 | $1,002,647,462 |

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## TRADE ROUTE 92 HAWAII/FOREIGN (EXCEPT T. R. 26, 27, 29)

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 05 | FRUIT AND VEGETABLES | 4,681 | $3,577,809 | 03 | FISH & FISH PREPARATIONS | 235 | $392,981 |
| 25 | PULP AND WASTEPAPER | 58 | $12,000 | 66 | NONMETALLIC MINERAL MANU | 18 | $3,064 |
| 06 | SUGAR,MOLASSES,& HONEY | 11 | $78,680 | 05 | FRUIT AND VEGETABLES | 3 | $20,241 |
| 29 | ANIMAL&VEGETA MATERIALS | 7 | $10,370 | 63 | WOOD AND CORK MANUF | 1 | $3,278 |
| 71 | POWER GENERATING MACH | 3 | $25,110 | 69 | MANUFACTURES OF METAL | 1 | $2,714 |
| 79 | TRANSPORT EQUIP-RAIL,AIR, | 3 | $300,000 | 55 | ESSEN.OILS,PERFUME&SOAPS | | $1,629 |
| 72 | MACH FOR SPECIALIZED INDU | 2 | $14,500 | 65 | TEXTILE YARN,FABRIC&PROD | | $1,071 |
| 55 | ESSEN.OILS,PERFUME&SOAPS | 1 | $29,033 | 76 | TELEC,RECOR & REPRO EQUIP | | $750 |
| 66 | NONMETALLIC MINERAL MANU | | $1,000 | 77 | ELEC MACH,APPAR & APPL | | $1,200 |
| 88 | PHOTO EQUIP,WATCH & CLOCK | | $2,392 | 89 | MISC MANUF ARTICLES | | $632 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 4,766 | $4,050,894 | 3 | $25,110 |
| IMPORTS | 258 | $427,560 | 32 | $68,100 |
| TOTAL I/O | 5,024 | $4,478,454 | 35 | $93,210 |

## TRADE ROUTE 92 HAWAII/FOREIGN (EXCEPT T. R. 26, 27, 29)

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 23,056 | $5,029,193 | 33 | PETROLEUM&PETROLEUM PROD | 3,358,395 | $743,121,300 |
| | | | | 88 | PHOTO EQUIP,WATCH & CLOCK | | $5,192 |

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### TOTAL TONNAGE AND VALUE

### TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 23,056 | $5,029,193 | 0 | $0 |
| IMPORTS | 3,358,395 | $743,126,492 | 0 | $0 |
| TOTAL I/O | 3,381,451 | $748,155,685 | 0 | $0 |

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## TRADE ROUTE 92 HAWAII/FOREIGN (EXCEPT T. R. 26, 27, 29)

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 77 | ELEC MACH, APPAR & APPL | 88 | $143,634 | 56 | MANUF FERTIL & MATERIALS | 23,707 | $2,935,448 |
| 05 | FRUIT AND VEGETABLES | 32 | $10,686 | 08 | FEED-STUFF FOR ANIMALS | 18,426 | $2,889,975 |
| 64 | PAPER, PAPERBOARD & MANUF | 23 | $10,819 | 64 | PAPER, PAPERBOARD & MANUF | 18,295 | $8,289,391 |
| 69 | MANUFACTURES OF METAL | 18 | $18,568 | 24 | WOOD, LUMBER AND CORK | 1,377 | $360,310 |
| 65 | TEXTILE YARN, FABRIC&PROD | 7 | $105,000 | 69 | MANUFACTURES OF METAL | 10 | $21,229 |
| 29 | ANIMAL&VEGETA MATERIALS | 6 | $11,238 | 89 | MISC MANUF ARTICLES | 1 | $1,463 |
| 78 | ROAD VEHICLES & PARTS | 5 | $10,000 | 71 | POWER GENERATING MACH | | $1,158 |
| 26 | TEXTILE FIBERS & WASTE | | $24,567 | 88 | PHOTO EQUIP, WATCH & CLOCK | | $472 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 179 | $334,512 | 79 | $51,311 |
| IMPORTS | 61,816 | $14,499,446 | 42,012 | $11,246,068 |
| TOTAL I/O | 61,995 | $14,833,958 | 42,091 | $11,297,379 |

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## TRADE ROUTE 92

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 28,001 | $9,414,599 | 92 | $76,421 |
| IMPORTS | 3,420,469 | $758,053,498 | 42,044 | $11,314,168 |
| TOTAL I/O | 3,448,470 | $767,468,097 | 42,126 | $11,390,589 |

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## TRADE ROUTE 93 ALASKA/FOREIGN (EXCEPT T. R. 26 & 29)

## 1983 COMMODITIES

## LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 56,235 | $7,559,741 | 34 | GAS-NATURAL R MANUF | 1,120 | $249,767 |
| 25 | PULP AND WASTEPAPER | 6,770 | $2,967,126 | 24 | WOOD,LUMRER AND CORK | 774 | $231,283 |
| 03 | FISH & FISH PREPARATIONS | 2,040 | $3,335,519 | 08 | FEFD-STUFF FOR ANIMALS | 67 | $4,703 |
| 65 | TEXTILE YARN,FABRIC&PROD | 18 | $43,175 | 93 | SPECIAL TRANSACTIONS NEC | 9 | $571,962 |
| | | | | 11 | ALCOHOLIC & NON,REVERAGE | 4 | $3,990 |
| | | | | 66 | NONMFTALLIC MINERAL MANU | 1 | $3,531 |
| | | | | 69 | MANUFACTURES OF METAL | | $7,732 |
| | | | | 77 | ELEC MACH,APPAR & APPL | | $488 |

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## TOTAL TONNAGE AND VALUE

## LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 65,063 | $13,905,561 | 56,253 | $7,602,916 |
| IMPORTS | 1,975 | $1,073,456 | 641 | $605,291 |
| TOTAL I/O | 67,038 | $14,979,017 | 56,894 | $8,208,207 |

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## TRADE ROUTE 93 ALASKA/FOREIGN (EXCEPT T. R. 26 & 29)

## 1983 COMMODITIES

## TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 51,531 | $14,649,542 | 33 | PETROLEUM&PETROLEUM PROD | 63,901 | $15,263,045 |
| | | | | 87 | PROF,SCIE, & CONTR APPAR | | $7,395 |

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## TOTAL TONNAGE AND VALUE

## TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 51,531 | $14,649,542 | 0 | $0 |
| IMPORTS | 63,901 | $15,270,440 | 0 | $0 |
| TOTAL I/O | 115,432 | $29,919,982 | 0 | $0 |

## TRADE ROUTE 93 ALASKA/FOREIGN (EXCEPT T. R. 26 & 29)

## 1983 COMMODITIES

## NON-LINER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 56 | MANUF FERTIL & MATERIALS | 205,162 | $24,294,283 | 24 | WOOD,LUMBER AND CORK | 153,728 | $9,072,761 |
| 25 | PULP AND WASTEPAPER | 35,436 | $15,158,956 | 28 | METALLIFEROUS ORE&SCRAPS | 125,798 | $6,000,562 |
| 03 | FISH & FISH PREPARATIONS | 7,066 | $10,440,674 | 66 | NONMETALLIC MINERAL MANU | 29,686 | $1,757,847 |
| 24 | WOOD,LUMBER AND CORK | 5,846 | $1,068,916 | 27 | CRUDE FERTILIZER&MINERAL | 26,198 | $102,158 |
| 67 | IRON AND STEEL | 680 | $1,139,734 | 64 | PAPER,PAPERBOARD & MANUF | 12,044 | $7,740,373 |
| 65 | TEXTILE YARN,FABRIC&PROD | 179 | $435,228 | 56 | MANUF FERTIL & MATERIALS | 2,455 | $385,125 |
| 51 | ORGANIC CHEMICALS | 89 | $511,454 | 34 | GAS-NATURAL & MANUF | 2,163 | $457,277 |
| 72 | MACH FOR SPECIALIZED INDU | 38 | $239,165 | 52 | INORGANIC CHEMICALS | 1,164 | $89,853 |
| 77 | ELEC MACH,APPAR & APPL | 3 | $153,944 | 51 | ORGANIC CHEMICALS | 1,160 | $175,361 |
| 05 | FRUIT AND VEGETABLES | 1 | $529 | 08 | FEED-STUFF FOR ANIMALS | 649 | $57,589 |
| | ALL OTHER COMMODITIES | 1 | $1,710 | | ALL OTHER COMMODITIES | 1,384 | $6,394,074 |

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## TOTAL TONNAGE AND VALUE

## NON-LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 254,501 | $53,444,593 | 12,208 | $9,323,506 |
| IMPORTS | 356,429 | $32,232,960 | 31,959 | $16,799,882 |
| TOTAL I/O | 610,930 | $85,677,553 | 44,167 | $26,123,388 |

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## TRADE ROUTE 93

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 371,095 | $81,999,696 | 68,461 | $16,926,422 |
| IMPORTS | 422,305 | $48,576,856 | 32,600 | $17,405,173 |
| TOTAL I/O | 793,400 | $130,576,552 | 101,061 | $34,331,595 |

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# PART IV

# UNITED STATES OCEANBORNE FOREIGN TRADE SUMMARY TABLES

## Table No. 1

## United States Oceanborne Foreign Trade
1956-1983

| | Thousands of Long Tons | | Millions of $ Value | |
|---|---|---|---|---|
| Year | Total Tons | U.S. % | Total $ Value | U.S. % |
| 1956 | 260,045 | 20.7 | 20,674 | 33.8 |
| 1957 | 289,280 | 17.6 | 22,862 | 32.1 |
| 1958 | 253,332 | 12.2 | 20,865 | 28.6 |
| 1959 | 267,036 | 10.2 | 22,802 | 26.1 |
| 1960 | 277,893 | 11.1 | 24,771 | 26.4 |
| 1961 | 272,364 | 9.7 | 24,699 | 25.6 |
| 1962 | 296,784 | 10.0 | 25,888 | 25.1 |
| 1963 | 311,577 | 9.2 | 27,543 | 25.1 |
| 1964 | 332,832 | 9.2 | 30,003 | 25.8 |
| 1965 | 371,285 | 7.5 | 32,455 | 21.4 |
| 1966 | 404,022 | 7.2 | 36,455 | 22.5 |
| 1967 | 387,586 | 5.3 | 36,629 | 21.7 |
| 1968 | 418,622 | 6.0 | 41,064 | 20.7 |
| 1969 | 427,479 | 4.6 | 41,895 | 19.3 |
| 1970 | 473,246 | 5.3 | 49,682 | 20.7 |
| 1971 | 457,434 | 5.3 | 50,425 | 19.6 |
| 1972 | 513,566 | 4.6 | 60,529 | 18.4 |
| 1973 | 631,572 | 6.3 | 84,006 | 18.9 |
| 1974 | 628,922 | 6.5 | 125,210 | 17.7 |
| 1975 | 615,567 | 5.1 | 127,508 | 17.5 |
| 1976 | 698,763 | 4.8 | 148,399 | 17.8 |
| 1977 | 775,332 | 4.5 | 171,178 | 16.4 |
| 1978 | 775,649 | 4.1 | 195,841 | 15.7 |
| 1979 | 823,101 | 4.2 | 242,117 | 14.7 |
| 1980 | 772,244 | 3.7 | 294,294 | 14.4 |
| 1981 | 759,999 | 4.5 | 315,386 | 14.9 |
| 1982 | 675,545 | 4.6 | 281,164 | 15.5 |
| 1983 | 630,412 | 5.8 | 267,401 | 16.1 |

## Table No. 2

### U.S. Oceanborne Foreign Trade
### Top Twenty-Five Flags of Registry
### All Services Combined
### Calendar Year 1983
### Thousands of Long Tons

| Rank | Flag of Vessel | Total Tonnage | % of Total | Import Tonnage | % of Total | Export Tonnage | % of Total |
|---|---|---|---|---|---|---|---|
| 1 | Liberia | 177,490 | 28.1 | 111,720 | 34.1 | 65,770 | 21.7 |
| 2 | Panama | 68,113 | 10.8 | 33,343 | 10.1 | 34,770 | 11.5 |
| 3 | Greece | 64,909 | 10.3 | 30,949 | 9.4 | 33,960 | 11.2 |
| 4 | United States | 36,662 | 5.8 | 25,353 | 7.7 | 11,309 | 3.7 |
| 5 | United Kingdom | 34,843 | 5.5 | 18,523 | 5.6 | 16,320 | 5.4 |
| 6 | Japan | 33,943 | 5.4 | 11,604 | 3.5 | 22,339 | 7.4 |
| 7 | Norway | 33,477 | 5.3 | 17,250 | 5.2 | 16,227 | 5.3 |
| 8 | Singapore | 17,683 | 2.8 | 10,357 | 3.2 | 7,326 | 2.4 |
| 9 | Canada | 14,914 | 2.4 | 10,913 | 3.3 | 4,001 | 1.3 |
| 10 | Republic of Korea | 10,879 | 1.7 | 2,307 | 0.7 | 8,572 | 2.8 |
| 11 | Italy | 10,520 | 1.7 | 2,776 | 0.8 | 7,744 | 2.5 |
| 12 | Denmark | 8,697 | 1.4 | 5,687 | 1.7 | 3,010 | 1.0 |
| 13 | West Germany | 7,745 | 1.2 | 4,268 | 1.3 | 3,477 | 1.1 |
| 14 | Belgium | 7,037 | 1.1 | 2,378 | 0.7 | 4,659 | 1.5 |
| 15 | Spain | 6,510 | 1.0 | 2,141 | 0.6 | 4,369 | 1.4 |
| 16 | Netherlands | 5,473 | 0.9 | 2,692 | 0.8 | 2,781 | 0.9 |
| 17 | India | 5,464 | 0.9 | 560 | 0.2 | 4,904 | 1.6 |
| 18 | Brazil | 4,912 | 0.8 | 1,923 | 0.6 | 2,989 | 1.0 |
| 19 | France | 4,717 | 0.7 | 1,646 | 0.5 | 3,071 | 1.0 |
| 20 | Philippines | 4,704 | 0.7 | 1,719 | 0.5 | 2,985 | 1.0 |
| 21 | Yugoslavia | 4,558 | 0.7 | 570 | 0.2 | 3,988 | 1.3 |
| 22 | Bahamas | 3,859 | 0.6 | 3,448 | 1.0 | 411 | 0.1 |
| 23 | Sweden | 3,729 | 0.6 | 2,092 | 0.6 | 1,637 | 0.5 |
| 24 | People's Republic of China | 3,468 | 0.5 | 1,111 | 0.3 | 2,357 | 0.8 |
| 25 | Republic of China | 3,454 | 0.5 | 1,111 | 0.3 | 2,343 | 0.8 |
|  | All Other Flags | 52,652 | 8.3 | 21,175 | 6.7 | 31,477 | 10.4 |
|  | Total | 630,412 |  | 327,616 |  | 302,796 |  |

## Table No. 3

## Total Liner Trade (Imports and Exports): 1981-1983

| Year | Tons<br>Thousands of Long Tons | Value<br>Millions of $ Value |
|---|---|---|
| 1983 TOTAL | 56,775 | 139,603 |
| % change from previous year | + 4.2 | - 0.7 |
| U.S.-Flag Share | 13,965 | 37,904 |
| % change from previous year | - 2.5 | - 2.9 |
| U.S. % of Total | 24.6 | 27.2 |
| 1982 TOTAL | 54,478 | 140,642 |
| % change from previous year | - 9.1 | - 5.0 |
| U.S.-Flag Share | 14,325 | 39,053 |
| % change from previous year | -13.3 | - 6.3 |
| U.S. % of Total | 26.2 | 27.8 |
| 1981 TOTAL | 59,954 | 148,006 |
| % change from previous year | + 1.2 | + 8.1 |
| U.S.-Flag Share | 16,524 | 41,663 |
| % change from previous year | + 2.3 | + 6.2 |
| U.S. % of Total | 27.6 | 28.1 |

## Table No. 4

## Liner Service Exports, Top 20 Commodity Groups
In Descending Tonnage Order
Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Cereal and Cereal Preparations | 3,434 | 1,307 | 38 | 971 | 342 | 35 |
| Pulp and Waste Paper | 2,644 | 494 | 19 | 736 | 164 | 22 |
| Paper, Paperboard & Products | 2,194 | 353 | 15 | 1,412 | 236 | 17 |
| Synthetic Resins, Rubber & Plastics | 1,916 | 527 | 28 | 2,623 | 776 | 30 |
| Fruits & Vegetables | 1,712 | 482 | 28 | 1,531 | 405 | 26 |
| Wood, Lumber & Cork | 1,666 | 332 | 20 | 564 | 105 | 19 |
| Textile Fibers and their Waste | 1,582 | 281 | 18 | 2,352 | 422 | 18 |
| Crude Fertilizers & Minerals | 1,019 | 176 | 17 | 277 | 55 | 20 |
| Organic Chemicals | 981 | 227 | 23 | 1,844 | 489 | 27 |
| Feed-Stuff for Animals | 887 | 121 | 14 | 226 | 37 | 16 |
| Metalliferous Ore & Scraps | 755 | 154 | 20 | 901 | 251 | 28 |
| Inorganic Chemical | 732 | 156 | 21 | 1,829 | 212 | 12 |
| Iron and Steel | 606 | 125 | 21 | 703 | 171 | 24 |
| General Industral Mach. & Equip. | 562 | 82 | 15 | 4,153 | 773 | 19 |
| Meat and Meat Preparations | 552 | 149 | 27 | 1,153 | 242 | 21 |
| Chemical Materials and Products | 548 | 135 | 25 | 1,422 | 345 | 24 |
| Specialized Machinery for Industries | 540 | 103 | 19 | 4,511 | 866 | 19 |
| Hides, Skins & Furskins | 438 | 28 | 6 | 611 | 40 | 7 |
| Nonmetallic Mineral Manuf. | 435 | 74 | 17 | 684 | 133 | 19 |
| Road Motor Vehicles & Parts | 425 | 79 | 19 | 2,743 | 516 | 19 |
| All Other Commodities | 6,337 | 1,470 | 23 | 27,007 | 6,379 | 24 |
| Total | 29,965 | 6,855 | 23 | 58,253 | 12,959 | 22 |

## Table No.5

### Liner Service Imports, Top 20 Commodity Groups
### In Descending Tonnage Order
### Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Alcohlic & Non-Alcoholic Beverages | 2,084 | 756 | 36 | 2,191 | 929 | 42 |
| Iron and Steel | 2,080 | 494 | 24 | 1,371 | 328 | 24 |
| Fruits and Vegetables | 1,917 | 417 | 22 | 1,748 | 676 | 39 |
| Manufactures of Metal | 1,638 | 366 | 22 | 3,248 | 822 | 25 |
| Nonmetallic Mineral Manufactures | 1,401 | 326 | 23 | 1,792 | 582 | 32 |
| Coffee, Cocoa, Tea & Spices | 1,356 | 432 | 32 | 3,363 | 1,128 | 34 |
| Miscellaneous Manufactured Articles | 1,179 | 308 | 26 | 5,438 | 1,630 | 30 |
| Road Motor Vehicles & Parts | 946 | 215 | 23 | 4,731 | 1,067 | 23 |
| Nonferrous Metals | 853 | 121 | 14 | 2,081 | 343 | 16 |
| Meat & Meat Preparations | 715 | 150 | 21 | 1,608 | 391 | 24 |
| Rubber-Crude & Synthetic | 698 | 311 | 45 | 651 | 282 | 43 |
| Textile Yarn, Fabrics & Prods. | 663 | 201 | 30 | 2,537 | 798 | 31 |
| Clothing and Accessories | 613 | 277 | 45 | 6,488 | 3,049 | 47 |
| General Industrial Mach. & Equip. | 601 | 144 | 24 | 2,876 | 764 | 27 |
| Telec., Record & Repro. Equip. | 598 | 173 | 29 | 8,026 | 2,496 | 31 |
| Fish & Fish Preparations | 548 | 118 | 22 | 1,783 | 488 | 27 |
| Electrial Mach., Appar. & Appl. | 539 | 178 | 33 | 3,434 | 1,148 | 33 |
| Paper, Paperboard & Products | 538 | 202 | 38 | 553 | 219 | 40 |
| Inorganic Chemicals | 529 | 172 | 33 | 1,335 | 146 | 11 |
| Furniture | 529 | 112 | 21 | 1,206 | 291 | 24 |
| All Other Commodities | 6,785 | 1,637 | 24 | 24,890 | 7,368 | 30 |
| Total | 26,810 | 7,110 | 27 | 81,350 | 24,945 | 31 |

## Table No. 6

### U.S. Oceanborne Foreign Trade
### Top Fifteen Flags of Registry
### Liner Service
### Calendar Year 1983
### (Thousands of Long Tons)

| Rank | Flag of Vessel | Total Tonnage | % of Total | Import Tonnage | % of Total | Export Tonnage | % of Total |
|---|---|---|---|---|---|---|---|
| 1 | United States | 13,965 | 24.6 | 7,110 | 26.5 | 6,855 | 22.9 |
| 2 | Panama | 4,613 | 8.1 | 1,723 | 6.4 | 2,890 | 9.6 |
| 3 | Japan | 4,612 | 8.1 | 2,155 | 8.0 | 2,457 | 8.2 |
| 4 | West Germany | 3,730 | 6.6 | 2,000 | 7.4 | 1,730 | 5.8 |
| 5 | United Kingdom | 2,611 | 4.6 | 1,387 | 5.2 | 1,224 | 4.1 |
| 6 | Denmark | 2,579 | 4.5 | 1,327 | 4.9 | 1,252 | 4.2 |
| 7 | Singapore | 2,557 | 4.5 | 1,211 | 4.5 | 1,346 | 4.5 |
| 8 | Liberia | 2,233 | 3.9 | 854 | 3.2 | 1,379 | 4.6 |
| 9 | Norway | 1,966 | 3.5 | 796 | 3.0 | 1,170 | 3.9 |
| 10 | Greece | 1,838 | 3.2 | 415 | 1.5 | 1,423 | 4.7 |
| 11 | Republic of China (Taiwan) | 1,672 | 2.9 | 782 | 2.9 | 890 | 3.0 |
| 12 | Republic of Korea | 1,239 | 2.2 | 536 | 2.0 | 703 | 2.3 |
| 13 | Sweden | 1,238 | 2.2 | 681 | 2.5 | 557 | 1.8 |
| 14 | Netherlands | 1,229 | 2.2 | 521 | 1.9 | 708 | 2.4 |
| 15 | Israel | 1,168 | 2.0 | 567 | 2.1 | 601 | 2.0 |
|  | All Other Flags | 9,525 | 16.8 | 4,745 | 17.7 | 4,780 | 16.0 |
|  | Total | 56,775 |  | 26,810 |  | 29,965 |  |

## Table No. 7

## Total Non-Liner Trade (Imports and Exports): 1981-1983

| Year | Tons<br>Thousands of Long Tons | Value<br>Millions of $ Value |
|---|---|---|
| 1983 TOTAL | 317,684 | 69,751 |
| % change from previous year | - 5.4 | - 3.2 |
| U.S.-Flag Share | 4,770 | 1,184 |
| % change from previous year | +43.4 | - 2.8 |
| U.S. % of Total | 1.5 | 1.7 |
| 1982 TOTAL | 335,816 | 72,025 |
| % change from previous year | - 8.1 | -11.1 |
| U.S.-Flag Share | 3,327 | 1,218 |
| % change from previous year | -26.0 | -34.9 |
| U.S. % of Total | 1.0 | 1.7 |
| 1981 TOTAL | 365,646 | 81,018 |
| % change from previous year | + 2.5 | + 9.3 |
| U.S.-Flag Share | 4,499 | 1,870 |
| % change from previous year | + 9.6 | +41.2 |
| U.S. % of Total | 1.2 | 2.3 |

## Table No. 8

### Non-Liner Service Exports, Top 20 Commodity Groups
### In Descending Tonnage Order
### Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Cereals & Cereal Preparations | 88,575 | 2,120 | 2 | 13,481 | 323 | 2 |
| Coal, Coke and Briquets | 55,010 | 359 | 1 | 3,200 | 23 | 1 |
| Oilseeds, Oilnuts & Kernels | 22,194 | 145 | 1 | 5,871 | 36 | 1 |
| Wood, Lumber and Cork | 17,043 | 43 | * | 1,395 | 4 | * |
| Crude Fertilizer & Minerals | 13,910 | 22 | * | 681 | 1 | * |
| Petroleum & Petroleum Products | 12,311 | 4 | * | 710 | 3 | * |
| Feed-Stuff for Animals | 12,158 | 1 | * | 2,378 | ** | * |
| Manufactured Fertilizers | 7,469 | 81 | 1 | 1,107 | 14 | 1 |
| Metalliferous Ore & Scraps | 6,371 | *** | * | 692 | ** | * |
| Inorganic Chemicals | 2,288 | 427 | 19 | 395 | 125 | 32 |
| Pulp and Wastepaper | 2,088 | 37 | 2 | 798 | 14 | 2 |
| Paper, Paperboard & Paper Products | 1,189 | 10 | 1 | 398 | 8 | 2 |
| Fruits and Vegetables | 570 | 8 | 1 | 292 | 5 | 2 |
| Nonferrous Metals | 312 | 117 | 38 | 470 | 1 | * |
| Iron and Steel | 293 | 21 | 7 | 228 | 17 | 7 |
| Synthetic Resins, Rubber & Plastics | 269 | 2 | 1 | 196 | 3 | 2 |
| Electrical Mach. Appar & Appl. | 223 | 1 | * | 194 | 4 | 2 |
| Sugar, Honey and Molasses | 164 | 1 | 1 | 50 | 1 | 2 |
| Wood and Cork Manufactures | 159 | 43 | 27 | 94 | 4 | 4 |
| Nonmetallic Mineral Manufactures | 137 | 5 | 4 | 92 | 2 | 2 |
| All Other Commodities | 1,422 | 54 | 4 | 4,805 | 354 | 7 |
| Total | 244,155 | 3,393 | 1 | 37,527 | 942 | 3 |

* - Less than 0.5 percent.
** - Less than 500 thousand dollars.
*** - Less than 500 long tons.

## Table No. 9

## Non-Liner Service Imports, Top 20 Commodity Group
## In Descending Tonnage Order
## Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Metalliferous Ores & Metal Scraps | 25,397 | 864 | 3 | 1,984 | 31 | 2 |
| Crude Fertilizer & Minerals | 16,077 | 40 | * | 229 | ** | * |
| Iron and Steel | 11,299 | 32 | * | 4,331 | 9 | * |
| Road Motor Vehicles & Parts | 2,813 | 1 | * | 16,721 | 6 | * |
| Fruits and Vegetables | 2,772 | 5 | * | 908 | 2 | * |
| Wood, Lumber and Cork | 2,587 | 140 | 5 | 365 | 28 | 8 |
| Sugar, Honey and Molasses | 2,544 | 36 | 1 | 1,005 | 14 | 1 |
| Manufactured Fertilizers | 2,064 | 26 | 1 | 213 | 3 | 1 |
| Non-Metallic Mineral Manufactures | 1,616 | 6 | * | 127 | 1 | 1 |
| Paper, Paperboard & Paper Products | 1,385 | 181 | 13 | 600 | 83 | 14 |
| Coal, Coke and Briquets | 1,015 | 0 | 0 | 36 | 0 | 0 |
| Wood and Cork Manufactures | 766 | 1 | * | 460 | 1 | * |
| Nonferrous Metals | 568 | *** | * | 878 | ** | * |
| Pulp and Wastepaper | 357 | 11 | 3 | 128 | 4 | 3 |
| Manufactures of Metal | 286 | 1 | * | 245 | 1 | * |
| Fish & Fish Preparations | 242 | 1 | * | 480 | 10 | 2 |
| Petroleum & Petroleum Products | 196 | 8 | 4 | 60 | 2 | 3 |
| Coffee, Cocoa, Tea & Spices | 193 | 4 | 2 | 438 | 10 | 2 |
| Cereals & Cereal Preparations | 133 | *** | * | 35 | ** | * |
| Feed-Stuff for Animals | 132 | 4 | 3 | 26 | 1 | 4 |
| All Other Commodities | 1,087 | 16 | 1 | 2,955 | 36 | 1 |
| Total | 73,529 | 1,377 | 2 | 32,224 | 242 | 1 |

* - Less than 0.5 percent.
** - Less than 500 thousand dollars.
*** - Less than 500 long tons.

Table No. 10

## U.S. Oceanborne Foreign Trade
## Top Fifteen Flags of Registry
## Non-Liner Service
## Calendar Year 1983
## (Thousands of Long Tons)

| Rank | Flag of Vessel | Total Tonnage | % of Total | Import Tonnage | % of Total | Export Tonnage | % of Total |
|---|---|---|---|---|---|---|---|
| 1 | Liberia | 71,678 | 22.6 | 16,189 | 22.0 | 55,489 | 22.7 |
| 2 | Panama | 40,399 | 12.7 | 11,273 | 15.3 | 29,126 | 11.9 |
| 3 | Greece | 36,231 | 11.4 | 5,474 | 7.4 | 30,757 | 12.6 |
| 4 | Japan | 21,937 | 6.9 | 4,023 | 5.5 | 17,914 | 7.3 |
| 5 | United Kingdom | 18,748 | 5.9 | 5,229 | 7.1 | 13,519 | 5.5 |
| 6 | Canada | 13,565 | 4.3 | 9,725 | 13.2 | 3,840 | 1.6 |
| 7 | Norway | 12,452 | 3.9 | 1,554 | 2.1 | 10,898 | 4.5 |
| 8 | Republic of Korea | 9,371 | 2.9 | 1,673 | 2.3 | 7,698 | 3.2 |
| 9 | Italy | 8,176 | 2.6 | 975 | 1.3 | 7,201 | 2.9 |
| 10 | Singapore | 6,646 | 2.1 | 1,818 | 2.5 | 4,828 | 2.0 |
| 11 | Spain | 4,984 | 1.6 | 896 | 1.2 | 4,088 | 1.7 |
| 12 | Belgium | 5,347 | 1.7 | 1,106 | 1.5 | 4,241 | 1.7 |
| 13 | India | 5,079 | 1.6 | 387 | 0.5 | 4,692 | 1.9 |
| 14 | United States | 4,770 | 1.5 | 1,377 | 1.8 | 3,393 | 1.4 |
| 15 | Philippines | 4,208 | 1.3 | 1,415 | 1.9 | 2,793 | 1.1 |
|  | All Other Flags | 54,093 | 17.0 | 10,415 | 14.2 | 43,678 | 17.8 |
|  | Total | 317,684 |  | 73,529 |  | 244,155 |  |

## Table No. 11

## Total Tanker Trade (Imports and Exports): 1981-1983

| Year | Tons<br>Thousands of Long Tons | Value<br>Millions of $ Value |
|---|---|---|
| 1983 TOTAL | 255,953 | 58,047 |
| % change from previous year | -20.8 | -15.2 |
| U.S.-Flag Share | 17,927 | 3,957 |
| % change from previous year | +33.1 | +22.3 |
| U.S. % of Total | 7.0 | 6.8 |
| 1982 TOTAL | 285,251 | 68,497 |
| % change from previous year | -14.7 | -20.7 |
| U.S.-Flag Share | 13,463 | 3,236 |
| % change from previous year | + 2.3 | - 5.3 |
| U.S. % of Total | 4.7 | 4.7 |
| 1981 TOTAL | 334,399 | 86,362 |
| % change from previous year | - 6.1 | + 3.6 |
| U.S.-Flag Share | 13,154 | 3,417 |
| % change from previous year | +65.5 | +91.8 |
| U.S. % of Total | 3.9 | 3.9 |

## Table No. 12

## Tanker Service Export, Top 20 Commodity Groups
## In Descending Tonnage Order
## Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Petroleum & Petroleum Products | 15,882 | 416 | 3 | 3,148 | 74 | 2 |
| Organic Chemicals | 4,737 | 7 | 0 | 2,374 | 3 | 0 |
| Inorganic Chemicals | 2,017 | 64 | 3 | 274 | 8 | 3 |
| Gas-Natural & Manufactured | 1,968 | 64 | 3 | 553 | 16 | 3 |
| Animal Oils and Fats | 1,347 | 0 | 0 | 529 | 0 | 0 |
| Vegetable Oils & Fats | 1,029 | 80 | 8 | 544 | 37 | 7 |
| Cereal and Cereal Preparations | 699 | 410 | 59 | 105 | 62 | 59 |
| Chemical Products & Materials | 442 | *** | * | 432 | ** | * |
| Sugar, Molasses & Honey | 246 | 14 | 6 | 14 | 1 | 7 |
| Manufactured Fertilizers | 101 | 14 | 14 | 17 | 2 | 12 |
| Oilseeds, Oilnuts & Kernels | 76 | *** | * | 18 | ** | * |
| Crude Fertilizers & Minerals | 48 | *** | * | 2 | ** | 1 |
| Essential Oils, Perfume & Soaps | 43 | *** | * | 13 | ** | * |
| Paper, Paperboards & Paper Products | 22 | *** | 1 | 7 | ** | 3 |
| Feed-Stuff for Animals | 22 | *** | * | 4 | ** | * |
| Fish & Fish Preparations | 20 | 1 | 5 | 53 | 2 | 4 |
| Wood, Lumber and Cork | 14 | *** | 1 | 4 | ** | 2 |
| Miscellaneous Food Preparations | 10 | *** | * | 5 | ** | * |
| Synthetic Resins, Rubber & Plastics | 9 | *** | 3 | 8 | 1 | 13 |
| All Other Commodities | 56 | 9 | 16 | 43 | 95 | 21 |
| Total | 28,676 | 1,061 | 4 | 8,147 | 211 | 3 |

* - Less than 0.5 percent.
** - Less than 500 thousands dollars.
*** - Less than 500 long tons.

## Table No. 13

## Tanker Service Imports, Top 20 Commodity Groups
## In Descending Tonnage Order
## Calendar Year 1983

| | (Thousands of Long Tons) | | | (Value $ Millions) | | |
|---|---|---|---|---|---|---|
| | Total | U.S.-Flag | U.S. % | Total | U.S.-Flag | U.S. % |
| Petroleum & Petroleum Products | 214,991 | 16,069 | 7 | 46,795 | 3,596 | 8 |
| Gas-Natural & Manufactured | 4,036 | 501 | 12 | 884 | 101 | 11 |
| Inorganic Chemicals | 2,690 | 8 | * | 322 | 1 | * |
| Organic Chemicals | 2,076 | 13 | 1 | 1,049 | 3 | * |
| Sugar, Molasses, & Honey | 1,442 | 151 | 10 | 81 | 8 | 10 |
| Vegetable Oils & Fats | 695 | 4 | 1 | 344 | 2 | 1 |
| Chemical Products & Materials | 619 | 119 | 19 | 259 | 30 | 12 |
| Manufactured Fertilizers & Materials | 331 | 0 | 0 | 35 | 0 | 0 |
| Nonmetallic Mineral Manufactures | 95 | *** | * | 2 | ** | * |
| Metalliferous Ore & Scraps | 78 | *** | * | 5 | ** | * |
| Special Transactions NEC | 60 | *** | * | 23 | ** | * |
| Paper Paperboard & Paper Products | 45 | 0 | 0 | 21 | 0 | 0 |
| Crude Fertilizers & Minerals | 45 | *** | * | 2 | ** | * |
| Rubber-Crude & Synthetic | 31 | 0 | 0 | 21 | 0 | 0 |
| Alcohlic & Non-Alcoholic Beverages | 8 | *** | * | 11 | ** | * |
| Essential Oils, Perfume & Soaps | 7 | 0 | 0 | 8 | 0 | 0 |
| Wood, Lumber and Cork | 5 | 0 | 0 | 1 | 0 | 0 |
| Iron and Steel | 4 | *** | * | 1 | ** | * |
| Fruits and Vegetables | 3 | *** | * | 3 | ** | * |
| Fatty Acids, Waxes & Oils | 2 | 0 | 0 | 1 | 0 | 0 |
| All Other Commodities | 14 | 1 | 7 | 32 | 5 | 16 |
| Total | 227,277 | 16,866 | 7 | 49,900 | 3,746 | 8 |

* - Less than 0.5 percent.
** - Less than 500 thousand dollars.
*** - Less than 500 long tons.

## Table No. 14

## U.S. Oceanborne Foreign Trade
## Top Ten Flags of Registry
## Tanker Service
## Calendar Year 1983
## (Thousands of Long Tons)

| Rank | Flag of Vessel | Total Tonnage | % of Total | Import Tonnage | % of Total | Export Tonnage | % of Total |
|---|---|---|---|---|---|---|---|
| 1 | Liberia | 103,579 | 40.5 | 94,677 | 41.6 | 8,902 | 31.0 |
| 2 | Greece | 26,840 | 10.5 | 25,060 | 11.0 | 1,780 | 6.2 |
| 3 | Panama | 23,101 | 9.0 | 20,347 | 9.0 | 2,754 | 9.6 |
| 4 | Norway | 19,059 | 7.4 | 14,900 | 6.6 | 4,159 | 14.5 |
| 5 | United States | 17,927 | 7.0 | 16,866 | 7.4 | 1,061 | 3.7 |
| 6 | United Kingdom | 13,484 | 5.3 | 11,907 | 5.2 | 1,577 | 5.5 |
| 7 | Singapore | 8,480 | 3.3 | 7,328 | 3.2 | 1,152 | 4.0 |
| 8 | Japan | 7,394 | 2.9 | 5,426 | 2.4 | 1,968 | 6.9 |
| 9 | Denmark | 4,697 | 1.8 | 3,993 | 1.8 | 704 | 2.4 |
| 10 | Bahamas | 3,412 | 1.3 | 3,388 | 1.5 | 24 | * |
|  | All Other Flags | 27,980 | 10.9 | 23,385 | 10.3 | 4,595 | 16.0 |
|  | Total | 255,953 |  | 227,277 |  | 28,676 |  |

* - Less than 0.5 percent.

Table No. 15

## U.S. Oceanborne Foreign Trade
## Great Lakes Trade Area I
## Western Europe
## (Thousands of Long Tons)

| | Inbound | | Outbound | | In & Out | |
|---|---|---|---|---|---|---|
| Year | Total Tons | U.S. % | Total Tons | U.S. % | Total Tons | U.S. % |
| **All Services** | | | | | | |
| 1983 | 1,570 | * | 1,854 | * | 3,424 | * |
| 1982 | 1,439 | * | 2,640 | * | 4,079 | * |
| 1981 | 1,677 | * | 3,132 | * | 4,809 | * |
| 1980 | 1,072 | * | 3,639 | 1 | 4,711 | 1 |
| 1979 | 3,754 | * | 5,777 | * | 9,531 | * |
| 1978 | 4,532 | * | 5,948 | * | 10,480 | * |
| 1977 | 4,671 | * | 4,248 | * | 8,919 | * |
| **Liner Service** | | | | | | |
| 1983 | 11 | 6 | 2 | * | 13 | 5 |
| 1982 | 16 | * | 4 | 5 | 20 | 1 |
| 1981 | 22 | 2 | 14 | 1 | 36 | 1 |
| 1980 | 65 | 3 | 109 | * | 174 | 1 |
| 1979 | 94 | 1 | 166 | 1 | 260 | 1 |
| 1978 | 242 | 1 | 194 | 1 | 436 | 1 |
| 1977 | 308 | 1 | 180 | 1 | 488 | 1 |
| **Non-Liner Service** | | | | | | |
| 1983 | 1,515 | * | 1,795 | * | 3,310 | * |
| 1982 | 1,394 | * | 2,555 | * | 3,949 | * |
| 1981 | 1,614 | * | 2,990 | * | 4,604 | * |
| 1980 | 964 | - | 3,304 | 1 | 4,268 | 1 |
| 1979 | 3,587 | * | 5,445 | - | 9,032 | * |
| 1978 | 4,198 | * | 5,652 | * | 9,850 | * |
| 1977 | 4,318 | * | 3,950 | * | 8,268 | * |
| **Tanker Service** | | | | | | |
| 1983 | 44 | 1 | 57 | * | 101 | * |
| 1982 | 29 | * | 81 | - | 110 | * |
| 1981 | 41 | * | 128 | 7 | 169 | 5 |
| 1980 | 43 | * | 226 | - | 269 | * |
| 1979 | 73 | 21 | 166 | - | 239 | 7 |
| 1978 | 92 | * | 102 | * | 194 | * |
| 1977 | 45 | * | 118 | * | 163 | * |

* - Less than .5 percent

## Table No. 16

### U.S. Oceanborne Foreign Trade
### Great Lakes Trade Area II
### West, South and East Africa
### (Thousands of Long Tons)

| Year | Inbound | | Outbound | | In & Out | |
|---|---|---|---|---|---|---|
| | Total Tons | U.S. % | Total Tons | U.S. % | Total Tons | U.S. % |
| | | | **All Services** | | | |
| 1983 | 147 | * | 319 | * | 466 | * |
| 1982 | 99 | 1 | 291 | * | 390 | * |
| 1981 | 128 | - | 204 | * | 332 | * |
| 1980 | 106 | - | 209 | * | 315 | * |
| 1979 | 74 | 1 | 189 | 10 | 263 | 8 |
| 1978 | 204 | 9 | 154 | 12 | 358 | 10 |
| 1977 | 147 | 5 | 143 | 17 | 290 | 11 |
| | | | **Liner Service** | | | |
| 1983 | ** | * | 73 | * | 73 | * |
| 1982 | 1 | 86 | 22 | * | 23 | 4 |
| 1981 | ** | - | 18 | 3 | 18 | 3 |
| 1980 | ** | - | 10 | * | 10 | * |
| 1979 | 1 | 88 | 30 | 18 | 31 | 18 |
| 1978 | 14 | 34 | 51 | 35 | 65 | 35 |
| 1977 | 19 | 31 | 50 | 50 | 59 | 45 |
| | | | **Non-Liner Service** | | | |
| 1983 | 147 | - | 246 | - | 393 | - |
| 1982 | 98 | - | 269 | - | 367 | - |
| 1981 | 128 | - | 185 | - | 313 | - |
| 1980 | 106 | - | 199 | - | 305 | - |
| 1979 | 73 | - | 159 | 9 | 232 | 6 |
| 1978 | 190 | 7 | 103 | * | 293 | 4 |
| 1977 | 128 | 1 | 93 | * | 221 | * |
| | | | **Tanker Service** | | | |
| 1983 | - | - | - | - | - | - |
| 1982 | - | - | - | - | - | - |
| 1981 | - | - | 1 | - | 1 | - |
| 1980 | - | - | - | - | - | - |
| 1979 | - | - | - | - | - | - |
| 1978 | - | - | - | - | - | - |
| 1977 | - | - | - | - | - | - |

* - Less than .5 percent
** - Less than 500 tons

### Table No. 17

### U.S. Oceanborne Foreign Trade
### Great Lakes Trade Area III
### Carribbean, East and West Coasts South America
(Thousands of Long Tons)

| | Inbound | | Outbound | | In & Out | |
|---|---|---|---|---|---|---|
| Year | Total Tons | U.S. % | Total Tons | U.S. % | Total Tons | U.S. % |
| | | | **All Services** | | | |
| 1983 | 419 | 5 | 330 | * | 749 | 3 |
| 1982 | 320 | 2 | 462 | * | 782 | 1 |
| 1981 | 286 | 14 | 349 | * | 635 | 6 |
| 1980 | 294 | - | 411 | * | 705 | * |
| 1979 | 248 | - | 516 | * | 764 | * |
| 1978 | 403 | * | 677 | 1 | 1,080 | 1 |
| 1977 | 143 | * | 405 | * | 548 | * |
| | | | **Liner Service** | | | |
| 1983 | 9 | - | 33 | - | 42 | - |
| 1982 | 15 | 4 | 32 | * | 47 | 1 |
| 1981 | 7 | - | 42 | * | 49 | * |
| 1980 | 24 | - | 45 | 1 | 69 | * |
| 1979 | 44 | - | 22 | * | 66 | * |
| 1978 | 61 | * | 50 | 12 | 111 | 5 |
| 1977 | 41 | * | 42 | * | 83 | * |
| | | | **Non-Liner Service** | | | |
| 1983 | 410 | 5 | 297 | - | 707 | 3 |
| 1982 | 305 | 2 | 430 | - | 735 | 1 |
| 1981 | 279 | 14 | 307 | - | 586 | 7 |
| 1980 | 270 | - | 366 | * | 636 | * |
| 1979 | 204 | - | 494 | - | 698 | - |
| 1978 | 273 | - | 626 | * | 899 | - |
| 1977 | 73 | - | 363 | * | 436 | * |
| | | | **Tanker Service** | | | |
| 1983 | - | - | - | - | - | - |
| 1982 | - | - | - | - | - | - |
| 1981 | - | - | - | - | - | - |
| 1980 | - | - | - | - | - | - |
| 1979 | - | - | - | - | - | - |
| 1978 | 69 | - | 1 | - | 70 | - |
| 1977 | 29 | - | - | - | 29 | - |

* - Less than .5 percent

Table No. 18

U.S. Oceanborne Foreign Trade
Great Lakes Trade Area IV
Mediterranean, India, Persian Gulf and Red Sea
(Thousands of Long Tons)

| Year | Inbound Total Tons | Inbound U.S. % | Outbound Total Tons | Outbound U.S. % | In & Out Total Tons | In & Out U.S. % |
|---|---|---|---|---|---|---|
| | | | **All Services** | | | |
| 1983 | 216 | 3 | 2,000 | 2 | 2,216 | 2 |
| 1982 | 164 | 5 | 2,112 | 2 | 2,276 | 2 |
| 1981 | 196 | 7 | 1,883 | 2 | 2,059 | 3 |
| 1980 | 107 | * | 2,282 | 2 | 2,389 | 2 |
| 1979 | 390 | 5 | 2,452 | 3 | 2,842 | 3 |
| 1978 | 581 | 4 | 3,309 | 3 | 3,890 | 3 |
| 1977 | 797 | 3 | 2,153 | 3 | 2,950 | 3 |
| | | | **Liner Service** | | | |
| 1983 | 11 | 51 | 135 | 27 | 146 | 29 |
| 1982 | 29 | 26 | 201 | 24 | 230 | 24 |
| 1981 | 25 | 28 | 129 | 29 | 154 | 28 |
| 1980 | 23 | 47 | 121 | 30 | 144 | 32 |
| 1979 | 45 | 55 | 156 | 31 | 202 | 34 |
| 1978 | 57 | 37 | 211 | 23 | 268 | 26 |
| 1977 | 84 | 27 | 190 | 38 | 274 | 35 |
| | | | **Non-Liner Service** | | | |
| 1983 | 203 | * | 1,865 | * | 2,068 | * |
| 1982 | 135 | * | 1,910 | * | 2,045 | * |
| 1981 | 165 | * | 1,707 | * | 1,872 | * |
| 1980 | 84 | * | 2,139 | * | 2,223 | * |
| 1979 | 331 | - | 2,296 | 1 | 2,627 | 1 |
| 1978 | 524 | * | 3,098 | 1 | 3,622 | 1 |
| 1977 | 713 | * | 1,962 | * | 2,675 | * |
| | | | **Tanker Service** | | | |
| 1983 | 2 | - | - | - | 2 | - |
| 1982 | - | - | 1 | - | 1 | - |
| 1981 | 6 | 100 | 27 | - | 33 | 18 |
| 1980 | ** | 100 | 22 | - | 22 | * |
| 1979 | 14 | - | - | | 14 | - |
| 1978 | - | - | - | - | - | - |
| 1977 | - | - | - | - | - | - |

* - Less than .5 percent
** - Less than 500 tons

## Table No. 19

### U.S. Oceanborne Foreign Trade
### Great Lakes Trade Area V
### Far East, Indonesia, Malaysia, Singapore & Australasia
### (Thosands of Long Tons)

| Year | Inbound Total Tons | Inbound U.S. % | Outbound Total Tons | Outbound U.S. % | In & Out Total Tons | In & Out U.S. % |
|---|---|---|---|---|---|---|
| **All Services** | | | | | | |
| 1983 | 281 | * | 358 | * | 639 | * |
| 1982 | 257 | * | 167 | 3 | 424 | 1 |
| 1981 | 326 | * | 218 | * | 544 | * |
| 1980 | 298 | 2 | 469 | * | 767 | 1 |
| 1979 | 565 | * | 607 | * | 1,172 | * |
| 1978 | 558 | * | 1,041 | * | 1,599 | * |
| 1977 | 860 | * | 715 | * | 1,575 | * |
| **Liner Service** | | | | | | |
| 1983 | 7 | * | 13 | * | 20 | * |
| 1982 | 1 | * | ** | 21 | 1 | 7 |
| 1981 | 4 | 1 | 2 | 69 | 6 | 26 |
| 1980 | 12 | * | 2 | 62 | 14 | 14 |
| 1979 | 15 | * | 1 | 25 | 16 | 2 |
| 1978 | 27 | * | 23 | 11 | 50 | 5 |
| 1977 | 30 | * | 24 | 6 | 54 | 3 |
| **Non-Liner Service** | | | | | | |
| 1983 | 274 | * | 345 | * | 619 | * |
| 1982 | 255 | - | 167 | 3 | 422 | 1 |
| 1981 | 322 | - | 216 | - | 538 | - |
| 1980 | 286 | 2 | 448 | - | 734 | 1 |
| 1979 | 550 | - | 604 | - | 1,154 | - |
| 1978 | 529 | - | 1,018 | * | 1,547 | * |
| 1977 | 829 | * | 691 | * | 1,520 | * |
| **Tanker Service** | | | | | | |
| 1983 | - | - | - | - | - | - |
| 1982 | 1 | - | - | - | 1 | - |
| 1981 | - | - | ** | - | ** | - |
| 1980 | - | - | 19 | - | 19 | 100 |
| 1979 | - | - | 2 | 100 | 2 | 100 |
| 1978 | 2 | - | - | - | 2 | - |
| 1977 | 1 | * | ** | 100 | 1 | * |

* - Less than .5 percent
** - Less than 500 tons

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## Appendix A Table 1

TRADE ROUTE 61 G. L./CANADA G. L. (TRANS-LAKES)

1985 COMMODITIFS

LINER SFRVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 78 | ROAD VEHICLES & PARTS | 2,937 | $5,990,272 | 11 | ALCOHOLIC & NON,BEVERAGE | 4,635 | $3,930,326 |
| 27 | CRUDE FERTILIZER&MINERAL | 1,940 | $164,551 | 33 | PETROLEUM&PETROLEUM PROD | 628 | $237,206 |
| 51 | ORGANIC CHEMICALS | 1,040 | $1,231,671 | 78 | ROAD VEHICLES & PARTS | 323 | $1,402,096 |
| 58 | SYN RESINS,CELLU&PLASTIC | 1,038 | $630,932 | 08 | FEED-STUFF FOR ANIMALS | 312 | $21,627 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 752 | $238,656 | 67 | IRON AND STEEL | 210 | $177,912 |
| 25 | PULP AND WASTEPAPER | 573 | $239,367 | 52 | INORGANIC CHEMICALS | 129 | $65,396 |
| 77 | ELEC MACH,APPAR & APPL | 450 | $590,413 | 59 | CHEMICAL PROD & MATERIAL | 98 | $265,278 |
| 24 | WOOD,LUMBER AND CORK | 445 | $101,541 | 28 | METALLIFEROUS ORE&SCRAPS | 71 | $5,375 |
| 23 | RUBBER-CRUDE & SYNTHETIC | 410 | $550,741 | 68 | NONFERROUS METALS | 68 | $102,409 |
| 59 | CHEMICAL PROD & MATERIAL | 402 | $681,621 | 69 | MANUFACTURES OF METAL | 53 | $55,838 |
| | ALL OTHER COMMODITIES | 1,877 | $4,496,814 | | ALL OTHER COMMODITIES | 338 | $993,805 |

---

TOTAL TONNAGE AND VALUE

LINER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 11,864 | $14,916,579 | 0 | $0 |
| IMPORTS | 6,865 | $7,257,268 | 254 | $318,972 |
| TOTAL I/O | 18,729 | $22,173,847 | 254 | $318,972 |

## Appendix A Table 2

TRADE ROUTE 61 G. L./CANADA G. L. (TRANS-LAKES)

1983 COMMODITIES

TANKER SERVICE

(TONNAGE IN LONG TONS)

| EXPORTS | | | | IMPORTS | | | |
|---|---|---|---|---|---|---|---|
| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE | COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
| 33 | PETROLEUM&PETROLEUM PROD | 81,952 | $22,305,618 | 33 | PETROLEUM&PETROLEUM PROD | 1,051,712 | $221,009,433 |
| 27 | CRUDE FERTILIZER&MINERAL | 17,865 | $75,033 | 51 | ORGANIC CHEMICALS | 133,860 | $44,144,460 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 11,932 | $4,189,947 | 56 | MANUF FERTIL & MATERIALS | 63,149 | $4,323,950 |
| | | | | 52 | INORGANIC CHEMICALS | 4,911 | $80,630 |
| | | | | 42 | VEGETABLE OILS & FATS | 2,944 | $1,928,749 |
| | | | | 65 | TEXTILE YARN,FABRIC&PROD | 4 | $9,192 |

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TOTAL TONNAGE AND VALUE

TANKER SERVICE

| | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 111,749 | $26,570,598 | 108,290 | $25,698,469 |
| IMPORTS | 1,256,586 | $271,496,414 | 843,094 | $182,246,396 |
| TOTAL I/O | 1,368,335 | $298,067,012 | 951,394 | $207,944,865 |

## Appendix A Table 3

TRADE ROUTE 61 G. L./CANADA G. L. (TRANS-LAKES)

1983 COMMODITIES

NON-LINER SERVICE

(TONNAGE IN LONG TONS)

EXPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 32 | COAL,COKE AND BRIQUETS | 14,647,264 | $862,063,437 |
| 28 | METALLIFEROUS ORE&SCRAPS | 3,744,867 | $183,511,117 |
| 27 | CRUDE FERTILIZER&MINERAL | 2,347,044 | $9,953,197 |
| 22 | OILSEEDS,OILNUTS&KERNELS | 185,610 | $46,741,989 |
| 04 | CEREALS & CEREAL PREPS | 165,720 | $24,005,915 |
| 33 | PETROLEUM&PETROLEUM PROD | 79,351 | $3,088,275 |
| 05 | FRUIT AND VEGETABLES | 10,628 | $4,383,907 |
| 24 | WOOD,LUMBER AND CORK | 6,127 | $867,956 |
| 78 | ROAD VEHICLES & PARTS | 1,718 | $13,094,205 |
| 51 | ORGANIC CHEMICALS | 1,692 | $2,228,656 |
|  | ALL OTHER COMMODITIES | 4,878 | $14,555,572 |

IMPORTS

| COMMODITY CODE | COMMODITY DESCRIPTION | TOTAL TONS | TOTAL $VALUE |
|---|---|---|---|
| 27 | CRUDE FERTILIZER&MINERAL | 2,267,772 | $16,007,833 |
| 56 | MANUF FERTIL & MATERIALS | 888,470 | $68,092,353 |
| 66 | NONMETALLIC MINERAL MANU | 645,930 | $29,667,133 |
| 28 | METALLIFEROUS ORE&SCRAPS | 213,911 | $6,884,117 |
| 33 | PETROLEUM&PETROLEUM PROD | 160,283 | $31,901,152 |
| 67 | IRON AND STEEL | 115,635 | $36,904,055 |
| 64 | PAPER,PAPERBOARD & MANUF | 113,838 | $48,943,637 |
| 25 | PULP AND WASTEPAPER | 44,085 | $15,125,558 |
| 04 | CEREALS & CEREAL PREPS | 39,457 | $4,547,983 |
| 78 | ROAD VEHICLES & PARTS | 13,863 | $30,667,596 |
|  | ALL OTHER COMMODITIES | 52,132 | $105,074,299 |

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TOTAL TONNAGE AND VALUE

NON-LINER SERVICE

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 21,194,899 | $1,164,494,226 | 920,830 | $28,861,315 |
| IMPORTS | 4,555,376 | $393,815,716 | 483,050 | $15,869,709 |
| TOTAL I/O | 25,750,275 | $1,558,309,942 | 1,403,880 | $44,731,024 |

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TRADE ROUTE 61

|  | TOTAL TONS | TOTAL $VALUE | U.S. TONS | U.S. $VALUE |
|---|---|---|---|---|
| EXPORTS | 21,318,512 | $1,205,981,403 | 1,029,120 | $54,559,784 |
| IMPORTS | 5,818,827 | $672,569,398 | 1,326,398 | $198,435,077 |
| TOTAL I/O | 27,137,339 | $1,878,550,801 | 2,355,518 | $252,994,861 |

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## Appendix A Table 4

### Cargo Moving in U.S. Great Lakes/
### Canada Great Lakes (Trans-Lakes)
### Trade Route 61
### (Thousands of Long Tons)

| | Total | | Liner | | Non-Liner | | Tanker | |
|---|---|---|---|---|---|---|---|---|
| Year | Total Tonnage | Percent U.S. | Total Tonnage | Percent U.S. | Total Tonnage | Percent U.S. | Total Tonnage | Percent U.S. |
| **Exports and Imports** | | | | | | | | |
| 1983 | 27,137 | 9 | 19 | 1 | 25,750 | 5 | 1,368 | 70 |
| 1982 | 26,774 | 8 | 58 | 8 | 25,553 | 5 | 1,163 | 76 |
| 1981 | 31,155 | 11 | 176 | 41 | 29,859 | 8 | 1,120 | 82 |
| 1980 | 31,565 | 10 | 379 | 38 | 29,992 | 7 | 1,194 | 67 |
| 1979 | 35,076 | 9 | 400 | 37 | 32,672 | 5 | 2,004 | 59 |
| 1978 | 30,683 | 10 | 400 | 27 | 28,722 | 6 | 1,561 | 72 |
| 1977 | 28,819 | 14 | 54 | 18 | 26,977 | 9 | 1,788 | 91 |
| **Exports** | | | | | | | | |
| 1983 | 21,319 | 5 | 12 | 0 | 21,195 | 4 | 112 | 97 |
| 1982 | 21,695 | 4 | 49 | 8 | 21,601 | 4 | 45 | 100 |
| 1981 | 25,375 | 7 | 166 | 43 | 25,117 | 7 | 92 | 66 |
| 1980 | 25,909 | 4 | 324 | 44 | 25,321 | 4 | 264 | 27 |
| 1979 | 27,553 | 2 | 332 | 42 | 26,723 | 2 | 498 | 17 |
| 1978 | 22,533 | 2 | 212 | 30 | 21,982 | 2 | 339 | 22 |
| 1977 | 21,077 | 2 | 14 | 16 | 21,004 | 2 | 59 | 80 |
| **Imports** | | | | | | | | |
| 1983 | 5,818 | 23 | 7 | 4 | 4,555 | 11 | 1,256 | 67 |
| 1982 | 5,079 | 27 | 9 | 4 | 3,952 | 13 | 1,118 | 75 |
| 1981 | 5,780 | 28 | 10 | 7 | 4,742 | 16 | 1,028 | 84 |
| 1980 | 5,656 | 34 | 55 | 5 | 4,671 | 26 | 930 | 79 |
| 1979 | 7,523 | 31 | 68 | 16 | 5,949 | 21 | 1,506 | 73 |
| 1978 | 8,150 | 32 | 188 | 23 | 6,740 | 23 | 1,222 | 87 |
| 1977 | 7,742 | 47 | 40 | 19 | 5,973 | 34 | 1,729 | 91 |

## Appendix B Table 1

## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
By Service and Trade Route
Thousands of Long Tons

### ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 1 | 1983 | 5,901 | 6 | 3,632 | 3 | 9,533 | 5 |
| | 1982 | 5,089 | 6 | 3,998 | 3 | 9,087 | 4 |
| | 1981 | 4,427 | 7 | 3,833 | 5 | 8,260 | 6 |
| | 1980 | 3,029 | 9 | 5,338 | 4 | 8,364 | 6 |
| | 1979 | 3,545 | 8 | 4,710 | 5 | 8,255 | 6 |
| | 1978 | 3,273 | 9 | 2,756 | 7 | 6,029 | 8 |
| | 1977 | 2,698 | 9 | 3,373 | 8 | 6,071 | 8 |
| 2 | 1983 | 2,994 | 4 | 671 | 13 | 3,665 | 6 |
| | 1982 | 2,989 | 6 | 648 | 22 | 3,637 | 8 |
| | 1981 | 2,315 | 8 | 834 | 22 | 3,149 | 12 |
| | 1980 | 2,477 | 5 | 1,305 | 14 | 3,812 | 8 |
| | 1979 | 2,592 | 7 | 737 | 19 | 3,329 | 10 |
| | 1978 | 3,037 | 4 | 665 | 14 | 3,702 | 6 |
| | 1977 | 2,222 | 7 | 702 | 15 | 2,924 | 9 |
| 4 | 1983[3] | 50,944 | 2 | 2,715 | 10 | 53,659 | 2 |
| | 1982[3] | 53,222 | 1 | 3,333 | 11 | 56,555 | 2 |
| | 1981 | 67,677 | 2 | 3,517 | 11 | 71,194 | 3 |
| | 1980[3] | 78,882 | 2 | 3,519 | 10 | 79,401 | 2 |
| | 1979 | 87,384 | 3 | 3,154 | 13 | 90,538 | 3 |
| | 1978 | 93,640 | 2 | 2,911 | 14 | 96,551 | 2 |
| | 1977 | 100,872 | 3 | 2,611 | 16 | 103,483 | 3 |

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 5-7-8-9 | 1983 | 18,178 | 8 | 15,508 | 4 | 33,686 | 6 |
| | 1982 | 17,301 | 7 | 26,450 | 2 | 43,751 | 4 |
| | 1981 3/ | 13,115 | 8 | 28,341 | 3 | 41,456 | 4 |
| | 1980 3/ | 8,195 | 14 | 28,822 | 5 | 37,017 | 7 |
| | 1979 3/ | 8,228 | 12 | 19,648 | 4 | 27,876 | 6 |
| | 1978 | 8,192 | 14 | 10,112 | 7 | 18,304 | 10 |
| | 1977 | 10,748 | 11 | 12,672 | 5 | 24,420 | 7 |
| 6 | 1983 | 1,782 | 11 | 3,857 | 1 | 5,639 | 4 |
| | 1982 | 866 | 8 | 6,483 | * | 7,349 | 1 |
| | 1981 | 1,369 | 7 | 5,480 | 2 | 6,849 | 5 |
| | 1980 | 1,178 | 8 | 4,581 | 1 | 5,209 | 3 |
| | 1979 | 1,534 | 8 | 3,637 | 2 | 5,171 | 4 |
| | 1978 | 2,045 | 6 | 3,005 | * | 5,050 | 3 |
| | 1977 | 1,896 | 6 | 2,158 | 10 | 4,054 | 8 |
| 10 | 1983 | 12,334 | 7 | 18,062 | 4 | 30,396 | 5 |
| | 1982 | 10,700 | 7 | 26,021 | 3 | 36,721 | 4 |
| | 1981 | 15,456 | 4 | 22,584 | 2 | 38,040 | 3 |
| | 1980 | 18,635 | 6 | 22,390 | 3 | 41,025 | 4 |
| | 1979 | 24,975 | 8 | 19,226 | 4 | 44,201 | 6 |
| | 1978 3/ | 25,208 | 4 | 12,760 | 6 | 37,968 | 5 |
| | 1977 | 23,224 | 7 | 13,161 | 8 | 36,385 | 8 |
| 11 | 1983 | 1,617 | 21 | 3,591 | 17 | 5,208 | 18 |
| | 1982 | 1,276 | 21 | 3,433 | 16 | 4,709 | 17 |
| | 1981 | 1,590 | 18 | 4,570 | 11 | 6,160 | 13 |
| | 1980 | 1,335 | 15 | 3,965 | 10 | 5,300 | 11 |
| | 1979 | 1,497 | 16 | 3,121 | 11 | 4,618 | 13 |
| | 1978 | 1,446 | 13 | 2,334 | 10 | 3,780 | 11 |
| | 1977 | 1,661 | 9 | 2,433 | 9 | 4,094 | 9 |

* Less than .5

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 12 | 1983 | 5,715 | 4 | 20,285 | 1 | 26,001 | 1 |
| | 1982 | 5,020 | 5 | 25,043 | 1 | 30,063 | 1 |
| | 1981 | 5,161 | 4 | 23,899 | 1 | 29,060 | 1 |
| | 1980 | 4,948 | 5 | 25,615 | 1 | 30,563 | 2 |
| | 1979 | 5,677 | 6 | 18,876 | 1 | 24,553 | 2 |
| | 1978 | 6,299 | 7 | 13,797 | 2 | 20,096 | 4 |
| | 1977 | 5,826 | 7 | 15,805 | 1 | 21,631 | 3 |
| 13 | 1983[3/] | 12,549 | 7 | 30,249 | 6 | 42,798 | 6 |
| | 1982[3/] | 8,557 | 6 | 30,596 | 5 | 39,153 | 5 |
| | 1981[3/] | 21,625 | 4 | 34,521 | 5 | 56,146 | 5 |
| | 1980[3/] | 34,151 | 3 | 27,820 | 9 | 61,971 | 6 |
| | 1979[3/] | 49,914 | 4 | 29,076 | 6 | 78,990 | 5 |
| | 1978[3/] | 47,340 | 2 | 23,970 | 7 | 71,310 | 4 |
| | 1977 | 42,210 | 2 | 20,985 | 14 | 63,195 | 6 |
| 16 | 1983 | 2,384 | 2 | 2,205 | 2 | 4,589 | 2 |
| | 1982 | 2,545 | 8 | 1,872 | 8 | 4,417 | 8 |
| | 1981 | 2,523 | 7 | 2,101 | 8 | 4,624 | 8 |
| | 1980 | 2,555 | 8 | 2,189 | 8 | 4,744 | 8 |
| | 1979 | 2,465 | 8 | 2,275 | 7 | 4,740 | 7 |
| | 1978 | 3,777 | 5 | 1,444 | 9 | 5,221 | 6 |
| | 1977 | 2,462 | 5 | 1,513 | 7 | 3,975 | 6 |
| 17 | 1983[3/] | 13,992 | 7 | 6,064 | 2 | 20,056 | 6 |
| | 1982[3/] | 10,165 | 9 | 5,010 | 5 | 15,175 | 7 |
| | 1981[3/] | 17,357 | 10 | 4,107 | 7 | 21,464 | 10 |
| | 1980[3/] | 19,680 | 9 | 4,008 | 9 | 23,688 | 9 |
| | 1979[3/] | 22,050 | 7 | 2,610 | 18 | 24,660 | 8 |
| | 1978[3/] | 26,782 | 7 | 2,475 | 18 | 29,257 | 8 |
| | 1977 | 27,354 | 7 | 1,915 | 21 | 29,269 | 8 |

# ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 18 | 1983[3/] | 17,626 | 5 | 9,567 | 10 | 27,193 | 7 |
| | 1982[3/] | 22,183 | 7 | 8,610 | 12 | 30,793 | 8 |
| | 1981[3/] | 35,555 | 4 | 8,664 | 9 | 44,219 | 5 |
| | 1980[3/] | 40,149 | 1 | 7,772 | 8 | 47,921 | 2 |
| | 1979[3/] | 42,892 | 2 | 7,169 | 11 | 50,061 | 3 |
| | 1978[3/] | 47,641 | 2 | 8,150 | 12 | 55,791 | 3 |
| | 1977 | 23,710 | 3 | 6,424 | 19 | 30,234 | 6 |
| 19 | 1983[3/] | 59,214 | 15 | 14,865 | 4 | 74,079 | 13 |
| | 1982[3/] | 64,730 | 6 | 12,764 | 6 | 77,494 | 6 |
| | 1981[3/] | 82,482 | 5 | 13,117 | 7 | 95,599 | 6 |
| | 1980[3/] | 95,203 | 1 | 13,632 | 7 | 108,835 | 2 |
| | 1979[3/] | 113,494 | 5 | 9,771 | 8 | 123,265 | 5 |
| | 1978[3/] | 103,885 | 5 | 8,395 | 7 | 112,280 | 5 |
| | 1977 | 108,291 | 1 | 8,975 | 5 | 117,266 | 1 |
| 20 | 1983[3/] | 3,106 | 10 | 3,849 | 2 | 6,955 | 6 |
| | 1982[3/] | 3,418 | 10 | 4,759 | 3 | 8,177 | 6 |
| | 1981 | 4,744 | 10 | 5,457 | 4 | 10,201 | 7 |
| | 1980 | 2,882 | 12 | 7,381 | 3 | 10,263 | 6 |
| | 1979 | 2,821 | 8 | 7,143 | 4 | 9,964 | 5 |
| | 1978 | 2,704 | 8 | 7,970 | 2 | 10,674 | 4 |
| | 1977 | 2,020 | 5 | 5,055 | 2 | 7,075 | 3 |
| 21 | 1983[3/] | 13,890 | 17 | 39,203 | 2 | 53,093 | 6 |
| | 1982[3/] | 19,817 | 6 | 46,220 | 1 | 66,037 | 2 |
| | 1981[3/] | 18,293 | 17 | 46,879 | 2 | 65,172 | 6 |
| | 1980[3/] | 12,095 | 8 | 44,516 | 2 | 56,611 | 3 |
| | 1979[3/] | 14,244 | 6 | 42,942 | 2 | 57,186 | 3 |
| | 1978[3/] | 15,942 | 4 | 37,754 | 3 | 53,696 | 3 |
| | 1977 | 9,086 | 8 | 36,002 | 3 | 45,088 | 3 |

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 22 | 1983[3/] | 3,665 | 3 | 37,929 | * | 41,594 | * |
| | 1982 | 4,980 | 3 | 41,445 | 1 | 46,425 | 1 |
| | 1981 | 5,476 | 2 | 34,905 | 1 | 40,381 | 1 |
| | 1980 | 4,741 | 2 | 32,353 | 1 | 37,094 | 1 |
| | 1979 | 4,719 | 2 | 29,387 | 1 | 34,106 | 1 |
| | 1978 | 4,405 | 4 | 27,185 | 1 | 31,590 | 1 |
| | 1977 | 4,887 | 4 | 24,256 | 1 | 29,143 | 1 |
| 23 | 1983 | 1,466 | 14 | 662 | 4 | 2,128 | 11 |
| | 1982 | 935 | 3 | 535 | 16 | 1,470 | 7 |
| | 1981 | 798 | 6 | 233 | 21 | 1,031 | 10 |
| | 1980 | 1,325 | 5 | 268 | 17 | 1,593 | 7 |
| | 1979 | 1,786 | 15 | 187 | 21 | 1,973 | 16 |
| | 1978 | 1,306 | 9 | 154 | 29 | 1,460 | 11 |
| | 1977 | 2,250 | 19 | 163 | 38 | 2,413 | 21 |
| 24 | 1983 | 472 | 16 | 147 | 23 | 619 | 17 |
| | 1982 | 223 | 30 | 191 | 20 | 414 | 25 |
| | 1981 | 202 | 36 | 237 | 21 | 439 | 28 |
| | 1980 | 310 | 30 | 278 | 17 | 588 | 24 |
| | 1979 | 686 | 16 | 324 | 21 | 1,010 | 17 |
| | 1978 | 348 | 20 | 291 | 11 | 639 | 16 |
| | 1977 | 195 | 22 | 116 | 34 | 311 | 26 |
| 25 | 1983 | 3,500 | 2 | 1,150 | 8 | 4,650 | 4 |
| | 1982 | 2,994 | 5 | 1,327 | 12 | 4,321 | 7 |
| | 1981 | 3,054 | 3 | 1,837 | 7 | 4,891 | 4 |
| | 1980 | 3,030 | 3 | 2,068 | 6 | 5,098 | 4 |
| | 1979 | 3,435 | 2 | 1,322 | 11 | 4,757 | 5 |
| | 1978 | 3,140 | 2 | 1,049 | 8 | 4,189 | 3 |
| | 1977 | 4,991 | 8 | 423 | 21 | 5,414 | 9 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 26 | 1983 | 1,704 | * | 3,224 | * | 4,928 | * |
| | 1982 | 1,879 | * | 3,809 | * | 5,688 | * |
| | 1981 | 1,811 | 2 | 3,332 | * | 5,143 | 1 |
| | 1980 | 1,650 | 2 | 3,328 | * | 4,978 | * |
| | 1979 | 1,859 | 2 | 3,406 | * | 5,265 | 1 |
| | 1978 | 1,976 | * | 3,220 | * | 5,196 | * |
| | 1977 | 1,306 | 1 | 3,198 | * | 4,504 | * |
| 27 | 1983 | 2,575 | * | 1 ,518 | * | 4,093 | * |
| | 1982 | 2,497 | 1 | 1,402 | * | 3,899 | 1 |
| | 1981 | 3,003 | 4 | 1,424 | 11 | 4,427 | 6 |
| | 1980 | 3,114 | 3 | 1,001 | 18 | 4,115 | 7 |
| | 1979 | 3,055 | 4 | 1,043 | 14 | 4,098 | 6 |
| | 1978 | 3,016 | 4 | 947 | 12 | 3,963 | 6 |
| | 1977 | 2,677 | 3 | 950 | 9 | 3,627 | 5 |
| 28 | 1983 3/ | 321 | 12 | 3,428 | 8 | 3,759 | 9 |
| | 1982 | 238 | 18 | 2,262 | 8 | 2,500 | 9 |
| | 1981 3/ | 1,480 | 20 | 2,942 | 9 | 4,422 | 12 |
| | 1980 3/ | 2,095 | 4 | 2,168 | 9 | 4,263 | 7 |
| | 1979 3/ | 4,261 | 10 | 2,203 | 13 | 6,464 | 10 |
| | 1978 3/ | 10,773 | 5 | 3,302 | 9 | 14,075 | 5 |
| | 1977 | 18,151 | 7 | 1,922 | 13 | 20,073 | 7 |
| 29 | 1983 | 12,285 | 17 | 52,228 | 4 | 64,513 | 7 |
| | 1982 | 11,140 | 17 | 49,168 | 4 | 60,308 | 6 |
| | 1981 | 11,008 | 16 | 52,052 | 4 | 63,060 | 6 |
| | 1980 | 10,185 | 16 | 54,719 | 4 | 64,904 | 6 |
| | 1979 3/ | 10,802 | 12 | 49,926 | 4 | 60,728 | 5 |
| | 1978 | 10,197 | 17 | 39,672 | 5 | 49,869 | 7 |
| | 1977 | 8,792 | 19 | 33,786 | 5 | 42,578 | 8 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 31 | 1983[3/] | 3,826 | 3 | 4,557 | 4 | 8,383 | 4 |
| | 1982[3/] | 3,210 | 2 | 4,200 | 3 | 7,410 | 2 |
| | 1981[3/] | 3,091 | 3 | 3,869 | 3 | 6,960 | 3 |
| | 1980[3/] | 3,138 | 3 | 4,225 | 4 | 7,363 | 4 |
| | 1979[3/] | 4,761 | 6 | 2,595 | 6 | 7,356 | 6 |
| | 1978[3/] | 5,157 | 4 | 2,869 | 6 | 8,026 | 4 |
| | 1977 | 2,455 | 4 | 2,242 | 5 | 4,697 | 4 |
| 32[1/] | 1979 | 3,755 | * | 5,777 | * | 9,532 | * |
| | 1978 | 4,532 | * | 5,948 | * | 10,480 | * |
| | 1977 | 4,670 | * | 4,248 | * | 8,918 | * |
| 33[1/] | 1979 | 58 | * | 480 | * | 538 | * |
| | 1978 | 182 | * | 616 | 1 | 798 | 1 |
| | 1977 | 51 | - | 335 | * | 386 | * |
| 34[1/] | 1979 | 377 | 5 | 2,098 | 3 | 2,475 | 3 |
| | 1978 | 544 | 4 | 2,848 | 3 | 3,392 | 3 |
| | 1977 | 741 | 3 | 1,949 | 2 | 2,690 | 3 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 35 | 1983 | 169 | 4 | 18 | 64 | 187 | 10 |
| | 1982 | 115 | 9 | 12 | 76 | 127 | 30 |
| | 1981 | 96 | 44 | 25 | 84 | 121 | 52 |
| | 1980 | 51 | 28 | 9 | 50 | 60 | 32 |
| | 1979 | 38 | 15 | 18 | 61 | 76 | 25 |
| | 1978 | 76 | 18 | 16 | 59 | 92 | 26 |
| | 1977 | 49 | 8 | 11 | 99 | 60 | 23 |
| 36 | 1983 | 135 | * | 110 | * | 145 | * |
| | 1982 | 58 | * | 92 | * | 150 | * |
| | 1981 | 51 | * | 124 | * | 175 | * |
| | 1980 | 65 | 1 | 81 | * | 146 | 1 |
| | 1979 | 138 | * | 175 | 1 | 313 | 1 |
| | 1978 | 49 | - | 233 | * | 282 | * |
| | 1977 | 10 | - | 113 | & | 123 | * |
| 37 | 1983 | 4 | 2 | - | - | 4 | 2 |
| | 1982 | ** | - | ** | - | ** | - |
| | 1981 | 1 | 15 | * | * | 1 | * |
| | 1980 | 3 | 97 | ** | - | 3 | 97 |
| | 1979 | 12 | 87 | ** | - | 12 | 98 |
| | 1978 | 15 | 100 | 2 | - | 17 | 88 |
| | 1977 | 10 | 1 | ** | * | 10 | * |
| 38 | 1983 | 15 | 1 | - | - | 15 | 1 |
| | 1982 | 10 | * | ** | 100 | 10 | * |
| | 1981 | 2 | 12 | ** | 94 | 2 | 24 |
| | 1980 | 2 | 96 | 1 | 28 | 3 | 73 |
| | 1979 | 14 | 42 | 12 | 4 | 26 | 27 |
| | 1978 | 11 | 19 | 7 | 52 | 18 | 23 |
| | 1977 | ** | 100 | - | - | ** | 100 |

* Less than .5%
** Less than 500 tons

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 41 (14-1) | 1983 | 9,002 | 3 | 272 | 13 | 9,274 | 3 |
| | 1982[3/] | 11,572 | 5 | 359 | 12 | 11,931 | 5 |
| | 1981[3/] | 11,370 | 1 | 468 | 13 | 11,838 | 2 |
| | 1980[3/] | 11,352 | 1 | 475 | 12 | 11,827 | 1 |
| | 1979[3/] | 18,032 | * | 350 | 14 | 18,382 | * |
| | 1978[3/] | 16,757 | 1 | 419 | 12 | 17,176 | 1 |
| | 1977 | 18,803 | 1 | 423 | 18 | 19,226 | 1 |
| 42 (14-2) | 1983[3/] | 12,137 | 6 | 2,729 | 6 | 14,866 | 6 |
| | 1982[3/] | 15,973 | 3 | 3,076 | 5 | 19,049 | 3 |
| | 1981[3/] | 19,207 | 3 | 3,137 | 8 | 22,344 | 4 |
| | 1980[3/] | 25,138 | 1 | 2,591 | 8 | 27,729 | 2 |
| | 1979[3/] | 31,773 | 1 | 1,930 | 8 | 33,703 | 1 |
| | 1978[3/] | 13,257 | 1 | 2,255 | 8 | 15,512 | 2 |
| | 1977 | 14,596 | 3 | 2,099 | 8 | 16,695 | 3 |
| 43 (14-3) | 1983 | * | 7 | 34 | - | 34 | * |
| | 1982 | 2 | * | ** | 9 | 2 | 1 |
| | 1981 | * | * | 12 | * | 12 | * |
| | 1980 | 346 | 30 | 1 | 74 | 347 | 30 |
| | 1979 | 48 | 81 | ** | 8 | 48 | 81 |
| | 1978 | 33 | * | 72 | * | 105 | * |
| | 1977 | 2,049 | 5 | 13 | * | 2,062 | 5 |
| 51 (15-A) | 1983 | 669 | 8 | 542 | 14 | 1,211 | 11 |
| | 1982 | 908 | 8 | 402 | 25 | 1,310 | 14 |
| | 1981 | 1,063 | 9 | 514 | 25 | 1,577 | 14 |
| | 1980 | 926 | 13 | 630 | 21 | 1,556 | 16 |
| | 1979 | 1,161 | 12 | 315 | 41 | 1,476 | 20 |
| | 1978 | 1,014 | 11 | 314 | 39 | 1,328 | 18 |
| | 1977 | 1,431 | 12 | 306 | 34 | 1,737 | 16 |

* Less than .5%
** Less than 500 tons

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 52 (15-B) | 1983 | 1,162 | 5 | 1,828 | 10 | 2,990 | 8 |
| | 1982 | 1,616 | 5 | 1,305 | 16 | 2,921 | 10 |
| | 1981 | 1,957 | 5 | 1,870 | 19 | 3,827 | 12 |
| | 1980 | 2,300 | 4 | 1,795 | 19 | 4,095 | 11 |
| | 1979 | 2,205 | 5 | 1,014 | 23 | 3,219 | 10 |
| | 1978 | 2,484 | 4 | 748 | 26 | 3,232 | 9 |
| | 1977 | 1,983 | 7 | 646 | 19 | 2,629 | 10 |
| 53 (15-C) | 1983 | 98 | * | 33 | 1 | 131 | * |
| | 1982 | 235 | * | 37 | 1 | 272 | * |
| | 1981 | 210 | * | 198 | * | 408 | * |
| | 1980 | 204 | * | 145 | * | 349 | * |
| | 1979 | 118 | 3 | 62 | * | 179 | 2 |
| | 1978 | 246 | * | 36 | * | 282 | * |
| | 1977 | 141 | * | 93 | * | 234 | * |
| 54[1/] | 1979 | - | - | 130 | 13 | 130 | 13 |
| | 1978 | 114 | 11 | 93 | 8 | 207 | 10 |
| | 1977 | 18 | - | 96 | 10 | 114 | 8 |
| 55[1/] | 1979 | 74 | 1 | 58 | 5 | 132 | 3 |
| | 1978 | 90 | 5 | 60 | 18 | 250 | 6 |
| | 1977 | 129 | 6 | 47 | 34 | 176 | 13 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 56 1/ | 1979 | 13 | - | 354 | * | 367 | * |
| | 1978 | 41 | * | 478 | * | 519 | * |
| | 1977 | 86 | - | 206 | 6 | 292 | 4 |
| 58 | 1983 | 130 | 25 | 58 | * | 188 | 17 |
| | 1982 | 150 | 35 | 8 | - | 158 | 34 |
| | 1981 | 71 | 15 | 23 | * | 94 | 11 |
| | 1980 | 104 | 25 | 2 | - | 106 | 25 |
| | 1979 | 56 | 3 | 97 | 23 | 153 | 16 |
| | 1978 | 11 | - | 33 | 1 | 44 | 1 |
| | 1977 | 18 | 46 | 55 | - | 73 | 11 |
| 59 1/ | 1979 | 489 | * | 606 | * | 1,095 | * |
| | 1978 | 452 | * | 1,020 | * | 1,472 | * |
| | 1977 | 788 | * | 708 | * | 1,496 | * |
| 60 1/ | 1979 | 76 | - | ** | - | 76 | - |
| | 1978 | 101 | - | 3 | 1 | 104 | * |
| | 1977 | 43 | 6 | 5 | 1 | 48 | 4 |

* Less than .5%
** Less than 500 tons

# ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 65 (26-C) | 1983 | 500 | 1 | 1,806 | 15 | 2,306 | 12 |
| | 1982 | 610 | 4 | 3,039 | 18 | 3,649 | 16 |
| | 1981 | 831 | * | 3,068 | 9 | 3,899 | 7 |
| | 1980 | 530 | 1 | 1,873 | 3 | 2,403 | 2 |
| | 1979 | 496 | 14 | 1,179 | * | 1,675 | 4 |
| | 1978 | 580 | 5 | 1,102 | 1 | 1,682 | 2 |
| | 1977 | 544 | 4 | 1,097 | 4 | 1,641 | 4 |
| 71 | 1983 | 541 | 2 | 259 | 14 | 800 | 6 |
| | 1982 | 471 | 5 | 356 | 13 | 827 | 8 |
| | 1981 | 516 | 2 | 562 | 7 | 1,078 | 4 |
| | 1980 | 593 | 2 | 517 | 10 | 1,110 | 6 |
| | 1979 | 1,104 | * | 581 | 3 | 1,685 | 1 |
| | 1978 | 717 | 2 | 317 | 3 | 1,034 | 2 |
| | 1977 | 874 | 3 | 424 | 3 | 1,298 | 3 |
| 72 | 1983 | 577 | 2 | 2,349 | 10 | 2,926 | 10 |
| | 1982 | 273 | 1 | 1,537 | 9 | 1,810 | 8 |
| | 1981 | 489 | 1 | 1,931 | 5 | 2,420 | 4 |
| | 1980 | 479 | 1 | 2,890 | 2 | 3,369 | 2 |
| | 1979 | 362 | 4 | 1,634 | 2 | 1,996 | 2 |
| | 1978 | 446 | 1 | 1,954 | 1 | 2,400 | 1 |
| | 1977 | 554 | 1 | 1,579 | 2 | 2,133 | 1 |
| 77 2/ | 1979 | 36 | 14 | 27 | 98 | 63 | 51 |
| | 1978 | 41 | 14 | 48 | 96 | 89 | 60 |
| | 1977 | 39 | 15 | 40 | 98 | 79 | 56 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 78 2/ | 1979 | 22 | 3 | 88 | 2 | 110 | 3 |
| | 1978 | 8 | 11 | 66 | 4 | 74 | 5 |
| | 1977 | 96 | * | 77 | 4 | 173 | 2 |
| 80 1/ | 1983 | 33 | - | 81 | - | 114 | - |
| | 1982 | 15 | - | 198 | - | 213 | - |
| | 1981 | ** | - | 42 | - | 42 | - |
| | 1980 | 1 | - | 31 | - | 32 | - |
| | 1979 | 10 | - | 41 | - | 51 | - |
| | 1978 | 20 | - | 163 | 1 | 183 | 1 |
| | 1977 | ** | - | 41 | * | 41 | * |
| 81 | 1983 | 7,957 | * | 349 | 1 | 8,306 | * |
| | 1982 | 8,589 | 1 | 329 | * | 8,918 | 1 |
| | 1981 | 13,411 | 2 | 476 | 1 | 13,887 | 2 |
| | 1980 | 12,489 | 1 | 459 | * | 12,948 | 1 |
| | 1979 | 13,518 | 1 | 506 | * | 14,024 | 1 |
| | 1978 | 11,234 | 2 | 530 | * | 11,764 | 2 |
| | 1977 | 11,274 | 1 | 440 | * | 11,714 | 1 |
| 82 | 1983 | 1,858 | * | 1,423 | 5 | 3,281 | 2 |
| | 1982 | 1,808 | * | 1,705 | 6 | 3,513 | 3 |
| | 1981 | 3,770 | * | 1,238 | * | 5,008 | * |
| | 1980 | 3,269 | * | 1,544 | 2 | 4,813 | 1 |
| | 1979 | 3,860 | * | 1,320 | 2 | 5,180 | 2 |
| | 1978 | 1,646 | * | 1,369 | * | 3,015 | * |
| | 1977 | 1,557 | * | 1,250 | 1 | 2,807 | * |

* Less than .5%
** Less than 500 tons

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 83 | 1983 | 215 | * | 84 | * | 229 | * |
| | 1982 | 62 | * | 1 | 40 | 63 | 2 |
| | 1981 | 21 | * | 29 | * | 50 | * |
| | 1980 | 6 | * | 2 | 85 | 8 | 22 |
| | 1979 | 244 | * | 10 | 7 | 254 | * |
| | 1978 | 304 | 5 | 17 | 14 | 321 | 5 |
| | 1977 | 83 | 8 | 4 | 9 | 87 | 8 |
| 84 1/ | 1979 | 189 | - | 8 | - | 197 | - |
| | 1978 | 219 | - | 11 | - | 230 | - |
| | 1977 | 92 | * | 31 | * | 123 | * |
| 85 | 1983 | 1,250 | 1 | 252 | * | 1,502 | 1 |
| | 1982 | 902 | 1 | 198 | * | 1,100 | 1 |
| | 1981 | 858 | 1 | 133 | * | 991 | 1 |
| | 1980 | 915 | 7 | 139 | * | 1,054 | 6 |
| | 1979 | 1,270 | 1 | 98 | * | 1,368 | 1 |
| | 1978 | 1,289 | * | 66 | * | 1,355 | * |
| | 1977 | 1,224 | 1 | ** | 52 | 1,225 | 1 |
| 86 | 1983 | 324 | 6 | 531 | * | 855 | 2 |
| | 1982 | 199 | 21 | 318 | * | 517 | 8 |
| | 1981 | 166 | 29 | 773 | - | 939 | 5 |
| | 1980 | 155 | 11 | 751 | - | 906 | 2 |
| | 1979 | 131 | 2 | 786 | - | 917 | * |
| | 1978 | 99 | 1 | 739 | * | 838 | * |
| | 1977 | 51 | - | 709 | * | 760 | * |

* Less than .5%
** Less than 500 tons

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 87 | 1983 | 3,822 | 12 | 1,073 | 11 | 4,895 | 12 |
| | 1982 | 3,373 | 12 | 1,278 | 5 | 4,651 | 10 |
| | 1981 | 3,887 | 12 | 1,562 | 8 | 5,449 | 11 |
| | 1980 | 4,783 | 17 | 1,360 | 6 | 6,143 | 15 |
| | 1979 | 5,342 | 13 | 1,297 | 14 | 6,639 | 13 |
| | 1978 | 5,148 | 15 | 1,391 | 11 | 6,539 | 14 |
| | 1977 | 5,193 | 15 | 1,491 | 12 | 6,684 | 14 |
| 89 | 1983 | 5,907 | * | 2,548 | - | 8,455 | * |
| | 1982 | 5,075 | 1 | 4,816 | 1 | 9,891 | 1 |
| | 1981 | 9,144 | 3 | 7,618 | 4 | 16,770 | 4 |
| | 1980 | 6,217 | 2 | 7,295 | * | 13,513 | 1 |
| | 1979 | 9,788 | 3 | 6,248 | * | 16,036 | 2 |
| | 1978 | 9,621 | 7 | 5,078 | 5 | 14,699 | 6 |
| | 1977 | 14,933 | 6 | 3,638 | 8 | 18,571 | 7 |
| 91 | 1983[3/] | 22,477 | 8 | 1,984 | 10 | 24,461 | 9 |
| | 1982 | 24,493 | 8 | 3,122 | 4 | 27,615 | 8 |
| | 1981 | 22,514 | 2 | 1,241 | 10 | 23,755 | 2 |
| | 1980 | 10,087 | 6 | 873 | 15 | 10,960 | 7 |
| | 1979 | 12,333 | 5 | 860 | 15 | 13,193 | 5 |
| | 1978 | 14,708 | 2 | 756 | 13 | 15,464 | 2 |
| | 1977 | 17,186 | 2 | 686 | 10 | 17,872 | 3 |
| 92 | 1983 | 3,420 | 1 | 28 | - | 3,448 | 1 |
| | 1982 | 2, 532 | 2 | 92 | 1 | 2,624 | 2 |
| | 1981 | 3,669 | 3 | 34 | * | 3,703 | 3 |
| | 1980 | 3,285 | 3 | 77 | 1 | 3,362 | 2 |
| | 1979 | 3,296 | 2 | 41 | 96 | 3,337 | 3 |
| | 1978 | 4,393 | 1 | 7 | 15 | 4,400 | 1 |
| | 1977 | 5,055 | 3 | 26 | 95 | 5,081 | 4 |

* Less than .5%

## ALL SERVICES

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 93 | 1983 | 422 | 8 | 371 | 18 | 793 | 13 |
| | 1982 | 305 | 9 | 403 | * | 708 | 4 |
| | 1981 | 506 | 4 | 366 | 2 | 872 | 3 |
| | 1980 | 1,040 | 7 | 283 | 2 | 1,323 | 6 |
| | 1979 | 974 | 12 | 387 | 6 | 1,361 | 10 |
| | 1978 | 946 | 8 | 518 | 11 | 1,464 | 6 |
| | 1977 | 1,068 | 7 | 209 | 13 | 1,277 | 8 |
| 94 4/ | 1982 | 25,480 | 8 | - | - | 25,480 | 8 |
| | 1981 | 48,236 | 10 | - | - | 48,236 | 10 |
| | 1980 | 54,627 | 2 | - | - | 54,627 | 2 |
| | 1979 | 63,993 | 2 | - | - | 63,993 | 2 |
| | 1978 | 70,947 | * | - | - | 70,947 | * |
| | 1977 | 34,971 | 4 | - | - | 34,971 | 4 |

* Less than .5%

1/ Refer to technical notes, page vi for explanation.

2/ As of October 1979, Bureau of the Census statistics reflect the Canal Zone as part of Panama. As a result, Trade Route Nos. 77 (U.S. Atlantic/Pacific Canal Zone) and 78 (U.S. Gulf/Pacific Canal Zone) will not appear beginning with calendar year 1980.

3/ Includes lightered petroleum imports moving on that trade route.

4/ Trade Route No. 99 reflects the total tonnage of lightered petroleum cargo. Tonnage shown has alsoo been distributed to appropriate trade routes.

## Appendix B Table 2

## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
By Service and Trade Route
Thousands of Long Tons

### LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 1 | 1983 | 954 | 30 | 253 | 43 | 1,207 | 32 |
| | 1982 | 802 | 31 | 313 | 34 | 1,115 | 32 |
| | 1981 | 849 | 35 | 493 | 38 | 1,342 | 36 |
| | 1980 | 739 | 36 | 667 | 35 | 1,406 | 36 |
| | 1979 | 790 | 36 | 586 | 38 | 1,376 | 37 |
| | 1978 | 745 | 38 | 457 | 42 | 1,202 | 39 |
| | 1977 | 635 | 37 | 505 | 44 | 1,140 | 40 |
| 2 | 1983 | 650 | 19 | 280 | 31 | 930 | 23 |
| | 1982 | 722 | 22 | 370 | 36 | 1,092 | 27 |
| | 1981 | 739 | 21 | 480 | 36 | 1,219 | 27 |
| | 1980 | 674 | 17 | 508 | 35 | 1,182 | 25 |
| | 1979 | 660 | 21 | 427 | 33 | 1,087 | 25 |
| | 1978 | 645 | 18 | 311 | 30 | 956 | 22 |
| | 1977 | 592 | 23 | 292 | 36 | 884 | 28 |
| 4 | 1983 | 581 | 20 | 1,299 | 18 | 1,880 | 19 |
| | 1982 | 390 | 23 | 1,644 | 19 | 2,034 | 19 |
| | 1981 | 418 | 17 | 1,783 | 24 | 2,201 | 18 |
| | 1980 | 456 | 19 | 1,814 | 15 | 2,270 | 16 |
| | 1979 | 500 | 25 | 1,775 | 18 | 2,275 | 20 |
| | 1978 | 490 | 23 | 1,522 | 21 | 2,012 | 21 |
| | 1977 | 330 | 22 | 1,320 | 28 | 1,650 | 26 |

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 5-7-8-9 | 1983 | 3,363 | 36 | 1,794 | 21 | 5,157 | 31 |
| | 1982 | 2,874 | 34 | 1,958 | 22 | 4,832 | 29 |
| | 1981 | 2,953 | 34 | 2,070 | 23 | 5,023 | 29 |
| | 1980 | 2,891 | 34 | 2,777 | 27 | 5,668 | 30 |
| | 1979 | 3,173 | 29 | 2,586 | 25 | 5,759 | 27 |
| | 1978 | 3,453 | 29 | 2,282 | 26 | 5,735 | 28 |
| | 1977 | 2,870 | 32 | 2,072 | 31 | 4,942 | 32 |
| 6 | 1983 | 464 | 20 | 170 | 9 | 634 | 17 |
| | 1982 | 380 | 18 | 248 | 9 | 628 | 15 |
| | 1981 | 533 | 18 | 264 | 7 | 797 | 14 |
| | 1980 | 504 | 19 | 303 | 6 | 807 | 14 |
| | 1979 | 695 | 18 | 336 | 6 | 1,031 | 14 |
| | 1978 | 762 | 16 | 366 | 4 | 1,128 | 12 |
| | 1977 | 571 | 19 | 298 | 10 | 869 | 16 |
| 10 | 1983 | 1,649 | 31 | 547 | 26 | 2,306 | 30 |
| | 1982 | 1,471 | 33 | 738 | 25 | 2,209 | 31 |
| | 1981 | 1,335 | 38 | 939 | 28 | 2,274 | 34 |
| | 1980 | 1,254 | 41 | 1,288 | 32 | 2,542 | 36 |
| | 1979 | 1,486 | 38 | 1,214 | 32 | 2,700 | 35 |
| | 1978 | 1,646 | 40 | 1,221 | 32 | 2,867 | 37 |
| | 1977 | 1,280 | 39 | 1,036 | 36 | 2,316 | 38 |
| 11 | 1983 | 892 | 39 | 1,085 | 56 | 1,977 | 48 |
| | 1982 | 696 | 39 | 928 | 53 | 1,624 | 47 |
| | 1981 | 768 | 37 | 1,020 | 50 | 1,788 | 44 |
| | 1980 | 581 | 33 | 1,115 | 34 | 1,696 | 34 |
| | 1979 | 611 | 32 | 1,021 | 34 | 1,632 | 33 |
| | 1978 | 696 | 26 | 1,053 | 23 | 1,749 | 24 |
| | 1977 | 601 | 25 | 928 | 22 | 1,529 | 23 |

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 12 | 1983 | 2,992 | 7 | 2,276 | 5 | 5,268 | 6 |
| | 1982 | 2,520 | 9 | 1,920 | 8 | 4,440 | 9 |
| | 1981 | 2,650 | 8 | 2,016 | 9 | 4,666 | 8 |
| | 1980 | 2,366 | 10 | 2,031 | 9 | 4,397 | 9 |
| | 1979 | 2,415 | 15 | 1,954 | 10 | 4,369 | 13 |
| | 1978 | 2,794 | 16 | 1,704 | 12 | 4,498 | 14 |
| | 1977 | 2,526 | 17 | 1,072 | 12 | 3,598 | 16 |
| 13 | 1983 | 807 | 25 | 1,528 | 45 | 2,335 | 38 |
| | 1982 | 762 | 30 | 1,385 | 35 | 2,147 | 33 |
| | 1981 | 946 | 30 | 1,903 | 37 | 2,849 | 35 |
| | 1980 | 615 | 33 | 1,985 | 41 | 2,600 | 39 |
| | 1979 | 697 | 39 | 2,021 | 36 | 2,718 | 37 |
| | 1978 | 713 | 35 | 1,676 | 32 | 2,389 | 33 |
| | 1977 | 471 | 41 | 1,374 | 35 | 1,845 | 37 |
| 16 | 1983 | 511 | 7 | 370 | 4 | 881 | 6 |
| | 1982 | 553 | 31 | 518 | 29 | 1,071 | 30 |
| | 1981 | 617 | 29 | 623 | 26 | 1,240 | 28 |
| | 1980 | 640 | 31 | 605 | 27 | 1,245 | 29 |
| | 1979 | 650 | 30 | 662 | 24 | 1,312 | 27 |
| | 1978 | 598 | 35 | 536 | 23 | 1.134 | 29 |
| | 1977 | 523 | 23 | 529 | 19 | 1,052 | 21 |
| 17 | 1983 | 1,028 | 32 | 976 | 14 | 2,004 | 23 |
| | 1982 | 1,003 | 38 | 1,126 | 22 | 2,129 | 30 |
| | 1981 | 1,132 | 39 | 1,165 | 26 | 2,297 | 32 |
| | 1980 | 945 | 38 | 1,339 | 26 | 2,284 | 31 |
| | 1979 | 1,152 | 32 | 1,179 | 35 | 2,331 | 33 |
| | 1978 | 1,145 | 30 | 948 | 40 | 2,093 | 34 |
| | 1977 | 1,031 | 31 | 825 | 37 | 1,856 | 34 |

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 18 | 1983 | 377 | 52 | 2,283 | 16 | 2,660 | 21 |
| | 1982 | 365 | 59 | 2,660 | 16 | 3,025 | 21 |
| | 1981 | 508 | 59 | 2,584 | 20 | 3,092 | 26 |
| | 1980 | 446 | 45 | 2,478 | 19 | 2,924 | 23 |
| | 1979 | 556 | 38 | 2,671 | 25 | 3,227 | 28 |
| | 1978 | 531 | 37 | 2,761 | 25 | 3,292 | 27 |
| | 1977 | 525 | 40 | 1,982 | 35 | 2,507 | 36 |
| 19 | 1983 | 321 | 11 | 1,382 | 14 | 1,703 | 14 |
| | 1982 | 240 | 16 | 1,072 | 30 | 1,312 | 28 |
| | 1981 | 472 | 9 | 1,417 | 24 | 1,889 | 20 |
| | 1980 | 300 | 16 | 1,760 | 20 | 2,060 | 20 |
| | 1979 | 265 | 16 | 1,588 | 23 | 1,853 | 22 |
| | 1978 | 263 | 17 | 1,407 | 21 | 1,670 | 20 |
| | 1977 | 111 | 14 | 1,247 | 14 | 1,358 | 14 |
| 20 | 1983 | 536 | 59 | 297 | 30 | 833 | 49 |
| | 1982 | 546 | 64 | 322 | 37 | 868 | 54 |
| | 1981 | 667 | 71 | 398 | 42 | 1,065 | 60 |
| | 1980 | 486 | 65 | 560 | 45 | 1,046 | 54 |
| | 1979 | 393 | 50 | 605 | 39 | 998 | 43 |
| | 1978 | 426 | 48 | 523 | 32 | 949 | 39 |
| | 1977 | 265 | 36 | 515 | 23 | 780 | 27 |
| 21 | 1983 | 1,309 | 41 | 2,144 | 31 | 3,453 | 35 |
| | 1982 | 1,407 | 35 | 2,224 | 28 | 3,631 | 30 |
| | 1981 | 1,793 | 34 | 2,301 | 29 | 4,094 | 31 |
| | 1980 | 1,417 | 36 | 2,601 | 29 | 4,018 | 31 |
| | 1979 | 1,359 | 38 | 2,407 | 34 | 3,766 | 35 |
| | 1978 | 1,567 | 43 | 2,418 | 40 | 3,985 | 41 |
| | 1977 | 1,343 | 51 | 2,047 | 47 | 3,390 | 49 |

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## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 22 | 1983 | 208 | 38 | 414 | 12 | 622 | 21 |
| | 1982 | 280 | 44 | 598 | 24 | 878 | 31 |
| | 1981 | 322 | 40 | 592 | 26 | 914 | 38 |
| | 1980 | 214 | 46 | 671 | 27 | 885 | 32 |
| | 1979 | 252 | 37 | 865 | 20 | 1,117 | 24 |
| | 1978 | 352 | 44 | 870 | 17 | 1,222 | 25 |
| | 1977 | 372 | 48 | 610 | 12 | 982 | 25 |
| 23 | 1983 | 13 | 10 | 38 | 65 | 51 | 51 |
| | 1982 | 11 | 16 | 83 | 52 | 94 | 48 |
| | 1981 | 62 | 83 | 80 | 55 | 142 | 70 |
| | 1980 | 4 | 22 | 70 | 56 | 74 | 55 |
| | 1979 | 13 | 17 | 70 | 57 | 83 | 51 |
| | 1978 | 20 | 75 | 57 | 72 | 77 | 73 |
| | 1977 | 3 | 36 | 84 | 73 | 87 | 71 |
| 24 | 1983 | 124 | 58 | 67 | 47 | 191 | 54 |
| | 1982 | 120 | 54 | 118 | 31 | 238 | 42 |
| | 1981 | 106 | 69 | 113 | 43 | 219 | 56 |
| | 1980 | 126 | 74 | 165 | 28 | 291 | 48 |
| | 1979 | 143 | 55 | 94 | 50 | 237 | 53 |
| | 1978 | 124 | 58 | 76 | 41 | 200 | 51 |
| | 1977 | 92 | 46 | 64 | 61 | 156 | 52 |
| 25 | 1983 | 219 | 35 | 186 | 34 | 405 | 35 |
| | 1982 | 158 | 37 | 214 | 43 | 372 | 41 |
| | 1981 | 231 | 34 | 215 | 43 | 446 | 36 |
| | 1980 | 189 | 50 | 248 | 42 | 437 | 45 |
| | 1979 | 165 | 48 | 189 | 62 | 354 | 56 |
| | 1978 | 156 | 37 | 153 | 56 | 309 | 46 |
| | 1977 | 124 | 47 | 175 | 49 | 299 | 49 |

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 26 | 1983 | 884 | 1 | 660 | * | 1,544 | * |
| | 1982 | 702 | 1 | 720 | - | 1,422 | 1 |
| | 1981 | 949 | 2 | 807 | 2 | 1,756 | 2 |
| | 1980 | 813 | 2 | 1,044 | 1 | 1,857 | 1 |
| | 1979 | 686 | 2 | 835 | * | 1,521 | 1 |
| | 1978 | 711 | 1 | 786 | * | 1,497 | * |
| | 1977 | 644 | 2 | 834 | * | 1,478 | * |
| 27 | 1983 | 376 | * | 595 | 1 | 971 | * |
| | 1982 | 324 | 7 | 556 | - | 880 | 3 |
| | 1981 | 461 | 23 | 686 | 22 | 1,147 | 22 |
| | 1980 | 442 | 22 | 589 | 30 | 1,031 | 27 |
| | 1979 | 400 | 26 | 519 | 25 | 919 | 26 |
| | 1978 | 384 | 20 | 500 | 22 | 884 | 21 |
| | 1977 | 287 | 30 | 466 | 19 | 753 | 23 |
| 28 | 1983 | 74 | 52 | 246 | 38 | 320 | 41 |
| | 1982 | 81 | 54 | 333 | 47 | 414 | 48 |
| | 1981 | 91 | 45 | 505 | 45 | 596 | 45 |
| | 1980 | 99 | 45 | 448 | 42 | 547 | 43 |
| | 1979 | 110 | 40 | 409 | 42 | 519 | 42 |
| | 1978 | 102 | 36 | 422 | 54 | 524 | 50 |
| | 1977 | 107 | 33 | 302 | 52 | 409 | 47 |
| 29 | 1983 | 6,610 | 31 | 8,054 | 24 | 14,664 | 27 |
| | 1982 | 5,689 | 33 | 7,370 | 25 | 13,059 | 29 |
| | 1981 | 5,510 | 32 | 7,465 | 28 | 12,975 | 30 |
| | 1980 | 4,805 | 33 | 7,752 | 26 | 12,557 | 28 |
| | 1979 | 4,565 | 30 | 6,558 | 26 | 11,123 | 27 |
| | 1978 | 4,593 | 37 | 5,753 | 29 | 10,346 | 33 |
| | 1977 | 4,449 | 37 | 4,493 | 31 | 8,942 | 34 |

* Less than .5%

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 31 | 1983 | 142 | 20 | 293 | 23 | 435 | 22 |
| | 1982 | 128 | 23 | 332 | 23 | 460 | 23 |
| | 1981 | 119 | 24 | 348 | 29 | 467 | 28 |
| | 1980 | 160 | 50 | 351 | 35 | 511 | 40 |
| | 1979 | 212 | 38 | 349 | 32 | 561 | 34 |
| | 1978 | 297 | 33 | 336 | 33 | 633 | 33 |
| | 1977 | 209 | 33 | 296 | 35 | 505 | 34 |
| 32 1/ | 1979 | 94 | 1 | 166 | 1 | 260 | 1 |
| | 1978 | 242 | 1 | 194 | 1 | 436 | 1 |
| | 1977 | 307 | 1 | 180 | 1 | 487 | 1 |
| 33 1/ | 1979 | 1 | - | 2 | 1 | 3 | * |
| | 1978 | 3 | * | 11 | 44 | 14 | 11 |
| | 1977 | - | - | 5 | * | 5 | * |
| 34 1/ | 1979 | 42 | 47 | 89 | 54 | 131 | 152 |
| | 1978 | 54 | 39 | 128 | 37 | 182 | 38 |
| | 1977 | 80 | 29 | 109 | 43 | 189 | 37 |

* Less than .5%

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 35 | 1983 | 3 | 72 | ** | 1 | 3 | 67 |
| | 1982 | 7 | 27 | ** | 2 | 9 | 22 |
| | 1981 | 7 | 57 | ** | - | 7 | 57 |
| | 1980 | ** | 20 | 2 | - | 2 | * |
| | 1979 | 8 | 22 | 2 | 92 | 10 | 40 |
| | 1978 | 3 | 27 | ** | 8 | 3 | 26 |
| | 1977 | 2 | 3 | ** | 89 | 3 | 15 |
| 36 | 1983 | 7 | 1 | 2 | - | 9 | * |
| | 1982 | 2 | 8 | ** | - | 2 | 7 |
| | 1981 | ** | 56 | ** | 93 | ** | 58 |
| | 1980 | 1 | 100 | ** | 58 | 1 | 97 |
| | 1979 | ** | 62 | - | - | ** | 62 |
| | 1978 | ** | - | ** | 41 | ** | 3 |
| | 1977 | - | - | ** | 100 | ** | 50 |
| 37 | 1983 | 4 | 2 | - | - | 4 | 2 |
| | 1982 | ** | - | ** | - | ** | - |
| | 1981 | 1 | 15 | ** | - | 1 | 15 |
| | 1980 | ** | 2 | - | - | ** | 2 |
| | 1979 | 5 | 94 | ** | - | 5 | 94 |
| | 1978 | 15 | 100 | 2 | - | 17 | 88 |
| | 1977 | 4 | 3 | ** | - | 4 | 3 |
| 38 | 1983 | ** | 54 | - | - | ** | 54 |
| | 1982 | ** | 13 | ** | 100 | ** | 15 |
| | 1981 | ** | 56 | ** | 94 | ** | 75 |
| | 1980 | ** | 14 | ** | 100 | ** | 85 |
| | 1979 | ** | 3 | 1 | 99 | 1 | 74 |
| | 1978 | 5 | 39 | 1 | 100 | 6 | 47 |
| | 1977 | ** | 100 | - | - | ** | 50 |

* Less than .5%
**Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 41 (14-1) | 1983 | 174 | 13 | 169 | 20 | 343 | 17 |
| | 1982 | 145 | 22 | 223 | 19 | 368 | 20 |
| | 1981 | 240 | 19 | 302 | 20 | 542 | 20 |
| | 1980 | 134 | 23 | 268 | 21 | 402 | 22 |
| | 1979 | 113 | 27 | 197 | 25 | 310 | 25 |
| | 1978 | 188 | 38 | 232 | 23 | 420 | 29 |
| | 1977 | 160 | 34 | 279 | 26 | 439 | 29 |
| 42 (14-2) | 1983 | 36 | 2 | 729 | 11 | 765 | 11 |
| | 1982 | 31 | 40 | 914 | 14 | 945 | 15 |
| | 1981 | 77 | 12 | 1,053 | 19 | 1,130 | 18 |
| | 1980 | 46 | 27 | 955 | 18 | 1,001 | 19 |
| | 1979 | 42 | 52 | 826 | 18 | 868 | 20 |
| | 1978 | 111 | 24 | 905 | 19 | 1,016 | 20 |
| | 1977 | 108 | 40 | 597 | 28 | 705 | 29 |
| 43 (14-3) | 1983 | ** | 7 | ** | - | ** | 3 |
| | 1982 | 2 | * | ** | 9 | 2 | 1 |
| | 1981 | ** | - | 1 | - | 1 | - |
| | 1980 | 2 | 55 | 1 | 74 | 3 | 60 |
| | 1979 | 3 | 1 | ** | 5 | 3 | 1 |
| | 1978 | 1 | 7 | ** | 3 | 1 | 6 |
| | 1977 | ** | - | ** | 73 | ** | 37 |
| 51 (15-A) | 1983 | 213 | 25 | 293 | 26 | 506 | 26 |
| | 1982 | 308 | 25 | 313 | 32 | 621 | 29 |
| | 1981 | 449 | 22 | 390 | 33 | 839 | 27 |
| | 1980 | 272 | 41 | 372 | 34 | 644 | 37 |
| | 1979 | 221 | 47 | 256 | 51 | 477 | 49 |
| | 1978 | 295 | 39 | 234 | 53 | 529 | 45 |
| | 1977 | 290 | 58 | 199 | 52 | 489 | 56 |

* Less than .5%
** Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 52 (15-B) | 1983 | 197 | 28 | 292 | 45 | 489 | 38 |
| | 1982 | 305 | 18 | 295 | 58 | 600 | 38 |
| | 1981 | 526 | 19 | 380 | 67 | 906 | 39 |
| | 1980 | 326 | 30 | 434 | 64 | 760 | 50 |
| | 1979 | 154 | 47 | 287 | 70 | 441 | 62 |
| | 1978 | 167 | 49 | 242 | 72 | 409 | 63 |
| | 1977 | 168 | 55 | 144 | 70 | 312 | 62 |
| 53 (15-C) | 1983 | 47 | * | 17 | 1 | 64 | * |
| | 1982 | 46 | * | 34 | * | 80 | * |
| | 1981 | 54 | * | 49 | 1 | 103 | 1 |
| | 1980 | 28 | 1 | 64 | 1 | 92 | 1 |
| | 1979 | 15 | 22 | 22 | * | 37 | 8 |
| | 1978 | 35 | 1 | 27 | * | 62 | * |
| | 1977 | 39 | * | 24 | * | 63 | * |
| 54 1/ | 1979 | - | - | 12 | 19 | 12 | 19 |
| | 1978 | 2 | - | 21 | 32 | 23 | 30 |
| | 1977 | 2 | - | 9 | 100 | 11 | 50 |
| 55 1/ | 1979 | 1 | 88 | 17 | 17 | 18 | 22 |
| | 1978 | 12 | 39 | 30 | 36 | 42 | 37 |
| | 1977 | 17 | 38 | 41 | 39 | 58 | 38 |

* Less than .5%

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 56 1/ | 1979 | 3 | - | 67 | 1 | 70 | 1 |
| | 1978 | 3 | 4 | 85 | 2 | 88 | 2 |
| | 1977 | 10 | - | 82 | 14 | 92 | 7 |
| 58 | 1983 | 2 | - | - | - | 2 | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | ** | - | ** | 34 | ** | 30 |
| | 1980 | ** | - | 2 | - | 2 | - |
| | 1979 | 1 | - | ** | 66 | 1 | 21 |
| | 1978 | 1 | - | 3 | 9 | 4 | 8 |
| | 1977 | ** | 100 | ** | - | ** | 50 |
| 59 1/ | 1979 | 14 | * | 1 | 26 | 15 | 2 |
| | 1978 | 23 | * | 21 | 4 | 44 | 2 |
| | 1977 | 15 | 1 | 23 | 2 | 38 | 1 |
| 60 1/ | 1979 | - | - | ** | - | ** | - |
| | 1978 | 4 | - | ** | 47 | 4 | 1 |
| | 1977 | 9 | * | ** | 3 | 9 | * |

* Less than .5%

** Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 65 (26-C) | 1983 | 216 | 2 | 227 | * | 443 | 1 |
| | 1982 | 185 | 1 | 358 | 29 | 543 | 20 |
| | 1981 | 192 | 1 | 334 | 24 | 526 | 16 |
| | 1980 | 175 | 2 | 312 | 1 | 487 | 1 |
| | 1979 | 229 | 2 | 236 | * | 465 | 1 |
| | 1978 | 197 | 8 | 297 | 3 | 494 | 5 |
| | 1977 | 179 | 9 | 351 | * | 530 | 3 |
| 71 | 1983 | 130 | 7 | 46 | 81 | 176 | 26 |
| | 1982 | 76 | 13 | 51 | 87 | 127 | 42 |
| | 1981 | 37 | 22 | 51 | 75 | 88 | 52 |
| | 1980 | 30 | 23 | 67 | 76 | 97 | 60 |
| | 1979 | 25 | 13 | 34 | 58 | 59 | 39 |
| | 1978 | 18 | 6 | 30 | 27 | 48 | 19 |
| | 1977 | 37 | 2 | 44 | 33 | 70 | 21 |
| 72 | 1983 | 14 | 28 | 93 | 32 | 107 | 32 |
| | 1982 | 18 | 10 | 46 | 50 | 64 | 39 |
| | 1981 | 25 | 28 | 133 | 24 | 158 | 24 |
| | 1980 | 36 | 16 | 175 | 6 | 211 | 8 |
| | 1979 | 18 | 47 | 54 | 28 | 72 | 32 |
| | 1978 | 25 | 13 | 99 | 9 | 124 | 9 |
| | 1977 | 36 | 9 | 110 | 9 | 146 | 9 |
| 77 2/ | 1979 | 6 | 93 | 27 | 99 | 33 | 97 |
| | 1978 | 6 | 92 | 47 | 99 | 53 | 98 |
| | 1977 | 6 | 95 | 40 | 98 | 46 | 96 |

* Less than .5%

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 78 2/ | 1979 | 1 | 86 | 25 | 7 | 26 | 12 |
| | 1978 | 1 | 100 | 22 | 13 | 23 | 17 |
| | 1977 | ** | 100 | 17 | 16 | 17 | 17 |
| 80 1/ | 1983 | ** | - | 13 | - | 13 | - |
| | 1982 | - | - | 4 | - | 4 | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | 1 | * | - | - | 1 | * |
| | 1979 | - | - | 13 | - | 13 | - |
| | 1978 | - | - | 29 | 4 | 29 | 4 |
| | 1977 | ** | - | 19 | * | 19 | * |
| 81 | 1983 | 47 | 5 | 11 | 4 | 58 | 5 |
| | 1982 | 28 | 1 | 13 | 1 | 41 | 1 |
| | 1981 | 177 | 34 | 15 | 1 | 192 | 31 |
| | 1980 | 43 | 3 | 25 | * | 68 | 2 |
| | 1979 | 33 | 1 | 8 | * | 41 | 1 |
| | 1978 | 57 | 10 | 14 | * | 71 | 8 |
| | 1977 | 19 | 3 | 3 | * | 22 | 1 |
| 82 | 1983 | 18 | 26 | 1 | - | 19 | 26 |
| | 1982 | 10 | * | 1 | 3 | 13 | 1 |
| | 1981 | 30 | * | 1 | * | 31 | * |
| | 1980 | 7 | 74 | 1 | 11 | 8 | 63 |
| | 1979 | 5 | 3 | 1 | 91 | 6 | 12 |
| | 1978 | 6 | 38 | ** | 57 | 6 | 38 |
| | 1977 | ** | 69 | 1 | 1 | 1 | 1 |

* Less than .5%
** Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 83 | 1983 | 81 | * | 6 | * | 87 | * |
| | 1982 | 13 | 1 | ** | - | 13 | 1 |
| | 1981 | 9 | * | ** | - | 9 | * |
| | 1980 | 4 | * | ** | - | 4 | * |
| | 1979 | 8 | * | 1 | 45 | 9 | 4 |
| | 1978 | 3 | * | 1 | 17 | 4 | 5 |
| | 1977 | 3 | 20 | 2 | 1 | 5 | 20 |
| 84 1/ | 1979 | 42 | - | 7 | - | 49 | - |
| | 1978 | 58 | - | 11 | - | 69 | - |
| | 1977 | 41 | * | 19 | - | 60 | * |
| 85 | 1983 | 9 | 31 | ** | 71 | 9 | 33 |
| | 1982 | 14 | 42 | ** | 72 | 14 | 43 |
| | 1981 | 12 | 83 | ** | 34 | 12 | 83 |
| | 1980 | 5 | 22 | ** | 31 | 5 | 22 |
| | 1979 | 40 | 2 | ** | 46 | 40 | 2 |
| | 1978 | 42 | 4 | ** | 63 | 42 | 4 |
| | 1977 | 13 | 53 | ** | 73 | 106 | 54 |
| 86 | 1983 | 11 | - | - | - | 11 | - |
| | 1982 | 3 | 7 | ** | 95 | 3 | 7 |
| | 1981 | 9 | * | ** | - | 9 | * |
| | 1980 | ** | 100 | ** | 88 | ** | 96 |
| | 1979 | 3 | - | ** | - | 3 | - |
| | 1978 | 1 | 94 | ** | 29 | 1 | 88 |
| | 1977 | ** | - | ** | 100 | ** | 50 |

* Less than .5%
** Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 87 | 1983 | 23 | 27 | 37 | 4 | 60 | 13 |
| | 1982 | 48 | 34 | 48 | 35 | 96 | 34 |
| | 1981 | 69 | 13 | 40 | 52 | 109 | 28 |
| | 1980 | 35 | 35 | 68 | 31 | 103 | 32 |
| | 1979 | 79 | 14 | 64 | 42 | 143 | 27 |
| | 1978 | 225 | 36 | 68 | 34 | 293 | 35 |
| | 1977 | 77 | 34 | 50 | 40 | 127 | 36 |
| 89 | 1983 | ** | - | 1 | - | 1 | - |
| | 1982 | ** | - | ** | - | ** | - |
| | 1981 | ** | 32 | 2 | 10 | 2 | 10 |
| | 1980 | ** | - | 24 | 1 | 24 | 1 |
| | 1979 | 1 | 3 | 1 | 21 | 2 | 12 |
| | 1978 | 17 | 1 | 6 | 5 | 23 | 2 |
| | 1977 | 1 | 14 | 1 | * | 2 | 7 |
| 91 | 1983 | 341 | 19 | 352 | 50 | 693 | 35 |
| | 1982 | 290 | 28 | 328 | 25 | 618 | 26 |
| | 1981 | 247 | 30 | 266 | 36 | 513 | 33 |
| | 1980 | 321 | 42 | 267 | 39 | 588 | 41 |
| | 1979 | 238 | 33 | 266 | 43 | 504 | 38 |
| | 1978 | 314 | 14 | 184 | 24 | 498 | 17 |
| | 1977 | 273 | 12 | 134 | 15 | 407 | 13 |
| 92 | 1983 | ** | 12 | 5 | - | 5 | 1 |
| | 1982 | 3 | * | 5 | 12 | 8 | 8 |
| | 1981 | ** | - | 7 | * | 7 | * |
| | 1980 | 4 | 2 | 2 | 33 | 6 | 17 |
| | 1979 | 7 | 32 | 2 | 13 | 9 | 28 |
| | 1978 | 14 | 70 | 2 | 54 | 16 | 68 |
| | 1977 | 18 | 69 | 1 | 96 | 19 | 11 |

* Less than .5%
** Less than 500 tons

## LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 93 | 1983 | 2 | 32 | 65 | 86 | 67 | 85 |
| | 1982 | 2 | * | 6 | 10 | 8 | 10 |
| | 1981 | 2 | 1 | 3 | 36 | 5 | 20 |
| | 1980 | 3 | 1 | 6 | 13 | 9 | 11 |
| | 1979 | 6 | 27 | 19 | * | 25 | 7 |
| | 1978 | 30 | 4 | 13 | 1 | 43 | 3 |
| | 1977 | 1 | 93 | 30 | - | 31 | * |

* Less than .5%

[1] Refer to technical notes, page vi for explanation.

[2] As of October 1979, Bureau of the Census statistics reflect the Canal Zone as part of Panama. As a result, Trade Route Nos. 77 (U.S. Atlantic/Pacific Canal Zone) and 78 (U.S. Gulf/Pacific Canal Zone) will not appear beginning with calendar year 1980.

## Appendix B Table 3

## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
## By Service and Trade Route
## Thousands of Long Tons

### NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 1 | 1983 | 1,686 | 2 | 3,364 | * | 5,050 | 1 |
| | 1982 | 941 | * | 3,667 | * | 4,608 | * |
| | 1981 | 1,859 | - | 3,154 | * | 5,013 | * |
| | 1980 | 1,753 | * | 4,331 | * | 6,084 | * |
| | 1979 | 2,479 | - | 4,038 | * | 6,517 | * |
| | 1978 | 2,334 | * | 2,246 | * | 4,580 | * |
| | 1977 | 1,976 | 1 | 2,836 | 1 | 4,812 | * |
| 2 | 1983 | 736 | 1 | 366 | - | 1,102 | * |
| | 1982 | 686 | 1 | 263 | 2 | 949 | 1 |
| | 1981 | 448 | - | 343 | 2 | 791 | 1 |
| | 1980 | 668 | - | 791 | * | 1,459 | * |
| | 1979 | 588 | 2 | 294 | * | 882 | 2 |
| | 1978 | 785 | - | 352 | * | 1,137 | * |
| | 1977 | 867 | 1 | 410 | * | 1,277 | * |
| 4 | 1983 | 5,304 | * | 1,115 | 3 | 6,419 | 1 |
| | 1982 | 4,466 | * | 1,451 | 4 | 5,917 | 1 |
| | 1981 | 7,172 | 6 | 1,623 | 5 | 8,795 | 6 |
| | 1980 | 6,568 | * | 1,569 | 6 | 8,137 | 1 |
| | 1979 | 8,029 | * | 1,320 | 6 | 9,349 | 1 |
| | 1978 | 8,232 | 1 | 1,321 | 6 | 9,553 | 1 |
| | 1977 | 8,277 | 1 | 1,247 | 5 | 9,524 | * |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 5-7-8-9 | 1983 | 1,182 | * | 13,393 | 1 | 14,363 | 1 |
| | 1982 | 1,029 | * | 23,715 | * | 24,744 | * |
| | 1981 | 870 | * | 25,906 | 4 | 26,776 | 2 |
| | 1980 | 930 | * | 25,111 | 3 | 26,041 | 3 |
| | 1979 | 1,752 | 2 | 16,278 | 1 | 18,030 | 1 |
| | 1978 | 2,513 | 1 | 7,440 | 2 | 9,953 | 2 |
| | 1977 | 1,758 | * | 11,180 | * | 12,938 | * |
| 6 | 1983 | 519 | - | 3,518 | - | 4,037 | - |
| | 1982 | 440 | - | 6,165 | * | 6,605 | * |
| | 1981 | 530 | * | 5,213 | 2 | 5,743 | 1 |
| | 1980 | 625 | - | 4,224 | 1 | 4,849 | 1 |
| | 1979 | 808 | - | 3,259 | - | 4,067 | - |
| | 1978 | 1,262 | * | 2,549 | * | 3,811 | * |
| | 1977 | 959 | - | 2,560 | 2 | 2,519 | 1 |
| 10 | 1983 | 1,091 | * | 17,293 | 4 | 18,384 | 3 |
| | 1982 | 653 | 3 | 24,642 | 2 | 25,295 | 2 |
| | 1981 | 528 | * | 21,482 | 1 | 22,010 | 1 |
| | 1980 | 658 | * | 20,932 | 2 | 21,590 | 2 |
| | 1979 | 684 | * | 17,820 | 1 | 18,504 | 1 |
| | 1978 | 1,920 | 6 | 11,477 | 3 | 13,397 | 4 |
| | 1977 | 789 | * | 11,843 | 4 | 12,632 | 4 |
| 11 | 1983 | 580 | * | 2,297 | - | 2,877 | * |
| | 1982 | 455 | * | 2,218 | 2 | 2,672 | 2 |
| | 1981 | 610 | * | 3,397 | * | 4,007 | * |
| | 1980 | 621 | * | 2,574 | * | 3,195 | * |
| | 1979 | 656 | 3 | 1,905 | * | 2,561 | 1 |
| | 1978 | 587 | * | 1,163 | * | 1,750 | * |
| | 1977 | 740 | 1 | 1,406 | 1 | 2,146 | 1 |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 12 | 1983 | 2,497 | * | 17,835 | * | 20,332 | * |
| | 1982 | 2,274 | 1 | 23,040 | * | 25,314 | * |
| | 1981 | 2,400 | * | 21,764 | * | 24.164 | * |
| | 1980 | 2,508 | * | 23,427 | 1 | 25,935 | 1 |
| | 1979 | 3,151 | * | 16,790 | * | 19,941 | * |
| | 1978 | 3,367 | * | 11,964 | * | 15,331 | * |
| | 1977 | 3,170 | * | 14,618 | * | 17,788 | * |
| 13 | 1983 | 2,376 | - | 25,791 | 6 | 28,167 | 4 |
| | 1982 | 2,077 | * | 24,605 | 3 | 26,682 | 3 |
| | 1981 | 2,152 | * | 28,489 | 3 | 30,641 | 3 |
| | 1980 | 2,125 | 1 | 22,887 | 2 | 25,012 | 2 |
| | 1979 | 2,872 | * | 22,582 | 3 | 25,454 | 3 |
| | 1978 | 3,972 | 1 | 18,205 | 4 | 22,177 | 3 |
| | 1977 | 1,229 | 2 | 16,610 | 6 | 17,839 | 6 |
| 16 | 1983 | 1,645 | * | 1,321 | * | 2,966 | * |
| | 1982 | 1,562 | 3 | 868 | * | 2,430 | 2 |
| | 1981 | 1,589 | - | 616 | * | 2,205 | * |
| | 1980 | 1,838 | * | 772 | * | 2,610 | * |
| | 1979 | 1,431 | - | 708 | * | 2,139 | * |
| | 1978 | 2,916 | - | 162 | 1 | 3,078 | * |
| | 1977 | 1,650 | * | 247 | * | 1,897 | * |
| 17 | 1983 | 507 | - | 2,435 | * | 2,942 | * |
| | 1982 | 159 | * | 2,480 | * | 2,639 | * |
| | 1981 | 40 | - | 1,928 | * | 1,968 | * |
| | 1980 | 154 | 4 | 1,868 | 2 | 2,022 | 2 |
| | 1979 | 99 | 36 | 1,231 | 6 | 1,330 | 8 |
| | 1978 | 825 | 2 | 1,427 | 5 | 2,252 | 4 |
| | 1977 | 184 | 44 | 995 | 10 | 1,179 | 15 |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 18 | 1983 | 124 | * | 6,339 | 4 | 6,463 | 4 |
| | 1982 | 221 | * | 4,490 | 4 | 4,711 | 4 |
| | 1981 | 90 | * | 5,034 | 1 | 5,124 | 1 |
| | 1980 | 285 | 2 | 4,290 | 1 | 4,575 | 1 |
| | 1979 | 439 | 5 | 3,638 | 2 | 4,077 | 2 |
| | 1978 | 199 | 39 | 4,051 | 2 | 4,250 | 4 |
| | 1977 | 137 | * | 3,121 | 7 | 3,258 | 7 |
| 19 | 1983 | 7,394 | 11 | 10,555 | 2 | 17,949 | 6 |
| | 1982 | 9,687 | * | 7,514 | 4 | 17,201 | 2 |
| | 1981 | 13,528 | * | 9,256 | 4 | 22,784 | 2 |
| | 1980 | 15,952 | * | 9,542 | 5 | 25,494 | 2 |
| | 1979 | 18,604 | 1 | 6,200 | 4 | 24,804 | 2 |
| | 1978 | 19,493 | * | 5,377 | 4 | 24,870 | 1 |
| | 1977 | 18,116 | 1 | 6,316 | 3 | 24,432 | 2 |
| 20 | 1983 | 1,876 | * | 3,203 | * | 5,079 | * |
| | 1982 | 1,947 | * | 3,801 | 1 | 5,748 | * |
| | 1981 | 3,398 | * | 4,799 | 1 | 8,197 | 1 |
| | 1980 | 2,196 | 1 | 5,781 | * | 7,977 | * |
| | 1979 | 2,334 | 1 | 5,356 | * | 7,690 | * |
| | 1978 | 2,190 | – | 6,403 | * | 8,593 | * |
| | 1977 | 1,597 | * | 3,260 | * | 4,857 | * |
| 21 | 1983 | 1,281 | * | 33,255 | – | 34,536 | * |
| | 1982 | 2,144 | * | 28,980 | * | 31,124 | * |
| | 1981 | 2,675 | * | 30,548 | * | 33,223 | * |
| | 1980 | 2,034 | * | 28,705 | * | 30,739 | * |
| | 1979 | 3,547 | * | 31,469 | * | 35,043 | * |
| | 1978 | 4,635 | * | 29,298 | * | 33,933 | * |
| | 1977 | 2,448 | 1 | 29,283 | * | 31,731 | * |

*Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 22 | 1983 | 3,000 | * | 34,945 | - | 37,945 | * |
| | 1982 | 4,122 | 1 | 37,912 | * | 42,034 | * |
| | 1981 | 4,766 | * | 32,267 | * | 37,033 | * |
| | 1980 | 4,257 | * | 30,116 | * | 34,373 | * |
| | 1979 | 4,159 | * | 26,454 | * | 30,643 | * |
| | 1978 | 3,789 | 1 | 24,894 | * | 28,683 | * |
| | 1977 | 4,212 | * | 22,721 | * | 26,933 | * |
| 23 | 1983 | 436 | 5 | 102 | * | 538 | 4 |
| | 1982 | 194 | 12 | 148 | - | 342 | 7 |
| | 1981 | 384 | - | 123 | 3 | 507 | 1 |
| | 1980 | 319 | * | 76 | * | 395 | * |
| | 1979 | 113 | - | 72 | * | 185 | * |
| | 1978 | 310 | 19 | 61 | 7 | 371 | 17 |
| | 1977 | 517 | 29 | 50 | 1 | 567 | 27 |
| 24 | 1983 | 285 | 1 | 65 | 2 | 350 | 1 |
| | 1982 | 71 | 2 | 73 | 2 | 144 | 2 |
| | 1981 | 87 | - | 81 | - | 168 | - |
| | 1980 | 184 | - | 18 | - | 202 | - |
| | 1979 | 809 | 6 | 31 | 63 | 540 | 9 |
| | 1978 | 224 | * | 14 | - | 238 | * |
| | 1977 | 73 | 1 | 52 | 1 | 125 | 2 |
| 25 | 1983 | 2,812 | * | 775 | * | 3,587 | * |
| | 1982 | 2,348 | 1 | 537 | * | 2,885 | * |
| | 1981 | 2,730 | * | 1,464 | 1 | 4,194 | * |
| | 1980 | 2,712 | * | 1,690 | * | 4,402 | * |
| | 1979 | 2,936 | * | 888 | 3 | 3,824 | 1 |
| | 1978 | 2,652 | * | 534 | * | 3,186 | * |
| | 1977 | 2,242 | * | 139 | 2 | 2,381 | * |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 26 | 1983 | 720 | * | 2,158 | * | 2,878 | * |
| | 1982 | 1,034 | * | 2,259 | * | 3,293 | * |
| | 1981 | 754 | 4 | 1,579 | * | 2,333 | 1 |
| | 1980 | 772 | 2 | 852 | * | 1,624 | 1 |
| | 1979 | 1,082 | 3 | 865 | * | 1,917 | 1 |
| | 1978 | 1,146 | * | 721 | * | 1,867 | * |
| | 1977 | 554 | * | 2,020 | * | 2,574 | * |
| 27 | 1983 | 2,063 | * | 524 | * | 2,587 | * |
| | 1982 | 2,156 | * | 422 | * | 2,578 | * |
| | 1981 | 2,503 | * | 424 | * | 2,927 | * |
| | 1980 | 2,644 | - | 275 | 2 | 2,919 | * |
| | 1979 | 2,623 | * | 328 | 4 | 2,951 | 1 |
| | 1978 | 2,577 | 2 | 262 | 2 | 2,839 | 2 |
| | 1977 | 2,275 | - | 419 | * | 2,694 | * |
| 28 | 1983 | 1 | - | 3,137 | 5 | 3,138 | 5 |
| | 1982 | 7 | - | 1,575 | - | 1,582 | - |
| | 1981 | 23 | * | 1,906 | 1 | 1,929 | 1 |
| | 1980 | 4 | 2 | 1,579 | 1 | 1,583 | 1 |
| | 1979 | 14 | * | 1,723 | 6 | 1,737 | 6 |
| | 1978 | 377 | - | 2,792 | 2 | 3,169 | 2 |
| | 1977 | 1 | - | 1,619 | 6 | 1,620 | 6 |
| 29 | 1983 | 4,028 | * | 38,857 | * | 42,885 | * |
| | 1982 | 3,510 | * | 37,078 | * | 40,588 | * |
| | 1981 | 4,414 | * | 41,697 | * | 46,111 | * |
| | 1980 | 4,700 | * | 43,276 | * | 47,976 | * |
| | 1979 | 5,274 | * | 40,065 | * | 45,339 | * |
| | 1978 | 5,218 | * | 30,983 | * | 36,201 | * |
| | 1977 | 4,020 | 1 | 28,011 | * | 32,031 | 1 |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 31 | 1983 | 448 | * | 3,459 | 3 | 3,907 | 2 |
| | 1982 | 841 | * | 3,417 | 1 | 4,258 | 1 |
| | 1981 | 1,187 | * | 3,167 | * | 4,354 | * |
| | 1980 | 1,059 | * | 3,514 | 1 | 4,573 | 1 |
| | 1979 | 1,706 | 2 | 1,951 | 2 | 3,657 | 2 |
| | 1978 | 1,864 | - | 2,249 | 2 | 4,113 | 1 |
| | 1977 | 1,751 | - | 1,711 | * | 3,462 | * |
| 32 1/ | 1979 | 3,588 | * | 5,445 | - | 9,033 | * |
| | 1978 | 4,198 | * | 5,652 | * | 9,850 | * |
| | 1977 | 4,318 | * | 3,950 | * | 8,268 | * |
| 33 1/ | 1979 | 57 | - | 478 | - | 535 | - |
| | 1978 | 110 | - | 604 | * | 714 | * |
| | 1977 | 22 | - | 330 | - | 352 | - |
| 34 1/ | 1979 | 321 | - | 2,098 | 1 | 2,419 | 1 |
| | 1978 | 490 | * | 2,720 | 1 | 3,210 | 1 |
| | 1977 | 661 | * | 1,839 | * | 2,500 | * |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 35 | 1983 | 91 | 5 | 6 | - | 98 | 4 |
| | 1982 | 45 | 19 | 3 | * | 48 | 19 |
| | 1981 | 58 | 45 | 12 | 67 | 70 | 49 |
| | 1980 | 11 | - | 2 | - | 13 | - |
| | 1979 | 40 | * | 9 | 24 | 49 | 4 |
| | 1978 | 56 | - | 5 | 24 | 61 | 2 |
| | 1977 | 37 | - | 2 | 99 | 35 | 6 |
| 36 | 1983 | ** | - | 97 | - | 97 | - |
| | 1982 | 2 | - | 87 | - | 89 | - |
| | 1981 | 16 | - | 121 | - | 137 | - |
| | 1980 | 64 | - | 81 | - | 145 | - |
| | 1979 | 94 | - | 159 | - | 253 | - |
| | 1978 | 15 | - | 120 | - | 135 | - |
| | 1977 | 3 | - | 84 | - | 87 | - |
| 37 | 1983 | ** | - | - | - | ** | - |
| | 1982 | - | - | ** | - | - | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | 3 | 100 | ** | - | 3 | 99 |
| | 1979 | 7 | 100 | - | - | 7 | 100 |
| | 1978 | - | - | - | - | - | - |
| | 1977 | 6 | - | - | - | 6 | - |
| 38 | 1983 | 15 | - | - | - | 15 | - |
| | 1982 | 10 | - | - | - | 10 | 3 |
| | 1981 | 2 | 3 | - | - | 2 | 3 |
| | 1980 | 2 | 96 | 1 | - | 3 | 67 |
| | 1979 | 11 | 29 | 11 | - | 22 | 14 |
| | 1978 | 6 | 3 | 6 | 46 | 12 | 25 |
| | 1977 | - | - | - | - | - | - |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 41(14-1) | 1983 | 1,486 | - | 169 | - | 1,655 | - |
| | 1982 | 1,936 | - | 92 | * | 2,028 | * |
| | 1981 | 1,447 | - | 150 | 1 | 1,597 | * |
| | 1980 | 1,688 | - | 201 | * | 1,889 | * |
| | 1979 | 2,029 | - | 140 | - | 2,169 | - |
| | 1978 | 2,640 | - | 181 | - | 2,821 | - |
| | 1977 | 1,361 | - | 141 | * | 1,502 | * |
| 42(14-2) | 1983 | 2,435 | * | 1,377 | 5 | 3,812 | 2 |
| | 1982 | 3,323 | * | 1,985 | 1 | 5,308 | - |
| | 1981 | 2,812 | * | 2,000 | 3 | 4,812 | 1 |
| | 1980 | 3,068 | - | 1,476 | 2 | 4,544 | 1 |
| | 1979 | 3,061 | - | 1,000 | 1 | 4,061 | * |
| | 1978 | 3,757 | - | 1,263 | 1 | 5,020 | * |
| | 1977 | 2,837 | 2 | 1,461 | 1 | 4,298 | 1 |
| 43(14-3) | 1983 | - | - | 34 | - | 34 | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | - | - | 10 | - | 10 | - |
| | 1980 | 1 | - | ** | 100 | 1 | * |
| | 1979 | 6 | - | ** | 33 | 6 | * |
| | 1978 | - | - | 72 | - | 72 | - |
| | 1977 | 3 | - | 13 | - | 16 | - |
| 51(15-A) | 1983 | 387 | - | 238 | * | 625 | * |
| | 1982 | 454 | - | 69 | * | 523 | * |
| | 1981 | 580 | - | 109 | - | 689 | - |
| | 1980 | 613 | 1 | 257 | 3 | 870 | 1 |
| | 1979 | 847 | - | 55 | - | 902 | - |
| | 1978 | 706 | - | 67 | - | 773 | - |
| | 1977 | 1,051 | 1 | 102 | * | 1,153 | 1 |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 52(15-B) | 1983 | 838 | - | 1,229 | 2 | 2,067 | 1 |
| | 1982 | 1,183 | * | 604 | 1 | 1,787 | * |
| | 1981 | 1,430 | * | 1,082 | 4 | 2,512 | 2 |
| | 1980 | 1,968 | - | 899 | 5 | 2,867 | 2 |
| | 1979 | 2,023 | 1 | 382 | 6 | 2,405 | 2 |
| | 1978 | 2,156 | 1 | 326 | 7 | 2,482 | 2 |
| | 1977 | 1,756 | 2 | 344 | 6 | 2,100 | 3 |
| 53(15-C) | 1983 | 51 | 1 | 14 | - | 65 | * |
| | 1982 | 189 | - | 1 | - | 190 | - |
| | 1981 | 155 | - | 149 | - | 304 | - |
| | 1980 | 176 | - | 73 | - | 249 | - |
| | 1979 | 102 | - | 40 | - | 142 | - |
| | 1978 | 211 | - | 9 | - | 220 | - |
| | 1977 | 78 | - | 27 | - | 105 | - |
| 54 1/ | 1979 | - | - | 118 | 12 | 118 | 12 |
| | 1978 | 112 | 11 | 72 | 1 | 184 | 7 |
| | 1977 | 16 | - | 87 | - | 93 | - |
| 55 1/ | 1979 | 73 | - | 41 | - | 114 | - |
| | 1978 | 78 | - | 30 | - | 108 | - |
| | 1977 | 112 | 1 | 6 | * | 118 | * |

* Less than .5%

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 56 1/ | 1979 | 10 | - | 287 | - | 297 | - |
| | 1978 | 36 | - | 393 | - | 429 | - |
| | 1977 | 74 | - | 124 | - | 198 | * |
| 58 | 1983 | 128 | 25 | 58 | - | 186 | 17 |
| | 1982 | 131 | 28 | 8 | - | 139 | 26 |
| | 1981 | 66 | 9 | 23 | - | 89 | 7 |
| | 1980 | 80 | 14 | - | - | 80 | 14 |
| | 1979 | 55 | 3 | 47 | 23 | 152 | 16 |
| | 1978 | 10 | - | 30 | * | 40 | * |
| | 1977 | 10 | - | 55 | - | 65 | - |
| 59 1/ | 1979 | 475 | - | 603 | - | 1,078 | - |
| | 1978 | 429 | - | 999 | * | 1,428 | * |
| | 1977 | 773 | * | 685 | * | 1,458 | * |
| 60 1/ | 1979 | 76 | - | ** | - | 76 | - |
| | 1978 | 97 | - | 3 | - | 100 | - |
| | 1977 | 34 | 8 | 5 | 1 | 39 | 8 |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 65(26-C) | 1983 | 74 | * | 1,532 | 15 | 1,606 | 14 |
| | 1982 | 33 | - | 2,117 | 4 | 2,150 | 4 |
| | 1981 | 84 | - | 2,435 | 4 | 2,519 | 4 |
| | 1980 | 59 | * | 1,351 | 3 | 1,410 | 3 |
| | 1979 | 170 | 3 | 513 | 1 | 643 | 1 |
| | 1978 | 249 | 4 | 538 | * | 787 | 1 |
| | 1977 | 63 | 3 | 620 | 6 | 683 | 6 |
| 71 | 1983 | 357 | - | 210 | * | 567 | * |
| | 1982 | 380 | * | 301 | * | 681 | * |
| | 1981 | 423 | - | 507 | * | 930 | * |
| | 1980 | 409 | - | 449 | * | 858 | * |
| | 1979 | 1,061 | - | 542 | * | 1,603 | * |
| | 1978 | 672 | 2 | 286 | * | 958 | 1 |
| | 1977 | 745 | 3 | 379 | * | 1,124 | 2 |
| 72 | 1983 | 304 | 2 | 2,030 | 7 | 2,334 | 6 |
| | 1982 | 189 | 1 | 1,382 | 6 | 1,571 | 6 |
| | 1981 | 237 | * | 1,752 | 3 | 1,989 | 3 |
| | 1980 | 335 | - | 2,618 | 1 | 2,953 | 1 |
| | 1979 | 243 | 3 | 1,551 | 1 | 1,794 | 1 |
| | 1978 | 256 | - | 1,807 | 1 | 2,063 | * |
| | 1977 | 323 | 1 | 1,437 | 1 | 1,760 | 1 |
| 77 2/ | 1979 | - | - | ** | 11 | ** | 11 |
| | 1978 | ** | - | 1 | - | 1 | * |
| | 1977 | ** | 100 | ** | - | ** | 50 |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 78[2/] | 1979 | - | - | 50 | * | 50 | * |
| | 1978 | ** | 100 | 36 | - | 36 | * |
| | 1977 | 36 | * | 48 | * | 84 | * |
| 80[1/] | 1983 | 33 | - | 67 | - | 100 | - |
| | 1982 | 15 | - | 194 | - | 209 | - |
| | 1981 | ** | - | 42 | - | 42 | - |
| | 1980 | - | - | 31 | - | 31 | - |
| | 1979 | 10 | - | 28 | - | 38 | - |
| | 1978 | 20 | - | 134 | 1 | 154 | 1 |
| | 1977 | - | - | 22 | - | 22 | - |
| 81 | 1983 | 7,274 | * | 297 | * | 7,571 | * |
| | 1982 | 7,713 | 1 | 298 | * | 8,011 | 1 |
| | 1981 | 9,975 | 1 | 419 | * | 10,394 | 1 |
| | 1980 | 11,364 | 1 | 422 | * | 11,786 | 1 |
| | 1979 | 12,247 | * | 466 | * | 12,713 | * |
| | 1978 | 9,904 | 1 | 462 | * | 10,366 | 1 |
| | 1977 | 10,561 | * | 428 | * | 10,989 | * |
| 82 | 1983 | 1,754 | - | 755 | - | 2,509 | - |
| | 1982 | 1,519 | - | 997 | - | 2,516 | - |
| | 1981 | 2,729 | - | 923 | - | 3,652 | - |
| | 1980 | 3,150 | - | 1,256 | 2 | 4,406 | 1 |
| | 1979 | 3,652 | - | 981 | 2 | 4,633 | * |
| | 1978 | 1,548 | * | 942 | - | 2,490 | * |
| | 1977 | 1,384 | - | 986 | - | 2,370 | - |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 83 | 1983 | 127 | - | 1 | - | 128 | - |
| | 1982 | 23 | - | ** | 92 | 23 | * |
| | 1981 | 12 | - | 29 | - | 41 | - |
| | 1980 | 2 | - | 2 | 97 | 4 | 38 |
| | 1979 | 236 | - | ** | 95 | 236 | * |
| | 1978 | 231 | 1 | 1 | - | 232 | 1 |
| | 1977 | 80 | 8 | 2 | 15 | 82 | 7 |
| 84 1/ | 1979 | 147 | - | 1 | - | 148 | - |
| | 1978 | 161 | - | ** | - | 161 | - |
| | 1977 | 51 | - | 12 | * | 63 | * |
| 85 | 1983 | 1,144 | * | 252 | - | 1,396 | * |
| | 1982 | 786 | - | 198 | - | 984 | - |
| | 1981 | 841 | * | 133 | * | 974 | * |
| | 1980 | 757 | * | 139 | * | 896 | * |
| | 1979 | 1,196 | - | 98 | - | 1,294 | - |
| | 1978 | 1,219 | - | 66 | - | 1,285 | - |
| | 1977 | 1,144 | * | ** | - | 1,144 | * |
| 86 | 1983 | 129 | - | 528 | - | 657 | - |
| | 1982 | 69 | - | 318 | - | 387 | - |
| | 1981 | 69 | - | 773 | - | 842 | - |
| | 1980 | 136 | - | 751 | - | 887 | - |
| | 1979 | 128 | 2 | 764 | - | 892 | * |
| | 1978 | 90 | - | 693 | - | 783 | - |
| | 1977 | 46 | - | 708 | - | 754 | - |

* Less than .5%
** Less than 500 tons

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 87 | 1983 | 3,352 | 9 | 913 | 7 | 4,265 | 8 |
| | 1982 | 3,122 | 10 | 1,117 | 2 | 4,239 | 8 |
| | 1981 | 3,704 | 12 | 1,332 | 2 | 5,036 | 9 |
| | 1980 | 4,707 | 17 | 1,008 | 3 | 5,715 | 14 |
| | 1979 | 5,211 | 13 | 934 | 13 | 6,145 | 13 |
| | 1978 | 4,915 | 14 | 1,069 | 4 | 5,984 | 12 |
| | 1977 | 5,087 | 15 | 1,256 | 8 | 6,343 | 13 |
| 89 | 1983 | 5,877 | - | 2,547 | - | 8,424 | - |
| | 1982 | 5,068 | 1 | 4,816 | 1 | 9,884 | 1 |
| | 1981 | 9,067 | 3 | 7,587 | 4 | 16,654 | 3 |
| | 1980 | 6,146 | 1 | 6,981 | * | 13,127 | * |
| | 1979 | 9,509 | 1 | 6,030 | * | 15,539 | * |
| | 1978 | 9,290 | 4 | 4,830 | 5 | 14,120 | 4 |
| | 1977 | 14,682 | 5 | 3,612 | 8 | 18,294 | 6 |
| 91 | 1983 | 2,122 | 1 | 971 | 3 | 3,093 | 1 |
| | 1982 | 1,854 | 1 | 723 | 4 | 2,577 | 2 |
| | 1981 | 1,957 | 7 | 689 | 3 | 2,646 | 6 |
| | 1980 | 819 | 1 | 292 | 8 | 1,111 | 2 |
| | 1979 | 855 | 6 | 232 | 7 | 1,087 | 6 |
| | 1978 | 1,154 | 5 | 212 | 27 | 1,366 | 10 |
| | 1977 | 877 | 3 | 201 | 24 | 901 | 8 |
| 92 | 1983 | 62 | 68 | ** | 44 | 62 | 68 |
| | 1982 | 97 | 54 | ** | 10 | 97 | 54 |
| | 1981 | 155 | 34 | ** | 75 | 155 | 34 |
| | 1980 | 98 | 57 | ** | 100 | 98 | 57 |
| | 1979 | 56 | 56 | ** | 3 | 56 | 55 |
| | 1978 | 144 | 26 | 3 | 2 | 147 | 26 |
| | 1977 | 64 | 60 | 24 | 100 | 88 | 70 |

* Less than 5%
** Less than 500 tons

BEST [illegible] AVAILABLE

## NON-LINER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 93 | 1983 | 356 | 9 | 254 | 5 | 610 | 7 |
| | 1982 | 157 | 17 | 344 | - | 501 | 6 |
| | 1981 | 291 | 7 | 343 | 2 | 634 | 4 |
| | 1980 | 623 | 6 | 266 | 2 | 889 | 5 |
| | 1979 | 564 | 21 | 336 | 1 | 900 | 16 |
| | 1978 | 464 | 10 | 461 | 2 | 925 | 6 |
| | 1977 | 388 | 18 | 131 | 21 | 519 | 19 |

1/ Refer to technical notes, page vi for explanation.

2/ As of October 1979, Bureau of the Census statistics reflect the Canal Zone as part of Panama. As a result, Trade Route Nos. 77 (U.S. Atlantic/Pacific Canal Zone) and 78 (U.S. Gulf/Pacific Canal Zone) will not appear beginning with calendar year 1980.

Appendix B Table 4

## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
By Service and Trade Route
Thousands of Long Tons

### TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 1 | 1983 | 3,261 | 1 | 15 | - | 3,276 | 1 |
| | 1982 | 3,346 | 1 | 18 | - | 3,406 | 1 |
| | 1981 | 1,719 | * | 186 | - | 1,905 | * |
| | 1980 | 537 | - | 340 | * | 877 | * |
| | 1979 | 275 | - | 86 | - | 361 | - |
| | 1978 | 194 | - | 53 | - | 247 | - |
| | 1977 | 87 | * | 32 | 2 | 119 | * |
| 2 | 1983 | 1,608 | * | 25 | - | 1,633 | * |
| | 1982 | 1,581 | - | 15 | - | 1,596 | - |
| | 1981 | 1,128 | 3 | 11 | - | 1,139 | 3 |
| | 1980 | 1,135 | - | 5 | - | 1,140 | - |
| | 1979 | 1,344 | 3 | 16 | - | 1,360 | 3 |
| | 1978 | 1,607 | - | 2 | * | 1,609 | * |
| | 1977 | 763 | * | ** | 53 | 763 | * |
| 4 | 1983 3/ | 45,060 | 2 | 302 | 1 | 45,090 | 2 |
| | 1982 3/ | 48,366 | 1 | 238 | 1 | 48,604 | 1 |
| | 1981 | 60,087 | * | 111 | 5 | 60,198 | 2 |
| | 1980 3/ | 68,858 | 2 | 136 | * | 68,994 | 2 |
| | 1979 | 78,855 | 3 | 59 | * | 78,914 | 3 |
| | 1978 | 84,918 | 2 | 68 | * | 84,986 | 2 |
| | 1977 | 92,265 | 3 | 45 | 2 | 92,310 | 3 |

* Less than .5%
** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 5-7-8-9 | 1983 | 13,513 | 2 | 321 | 1 | 13,834 | 2 |
| | 1982 | 13,398 | 2 | 777 | * | 14,175 | 1 |
| | 1981[3] | 9,292 | * | 365 | 8 | 9,657 | * |
| | 1980[3] | 4,374 | 4 | 934 | * | 5,308 | 3 |
| | 1979[3] | 3,303 | * | 785 | * | 4,088 | * |
| | 1978 | 2,226 | 7 | 390 | - | 2,616 | 6 |
| | 1977 | 6,120 | 2 | 420 | 2 | 6,540 | * |
| 6 | 1983 | 799 | 13 | 169 | 3 | 968 | 11 |
| | 1982 | 46 | - | 70 | - | 116 | - |
| | 1981 | 306 | * | 3 | 2 | 309 | * |
| | 1980 | 49 | - | 4 | - | 53 | - |
| | 1979 | 31 | - | 42 | 100 | 73 | 58 |
| | 1978 | 21 | - | 90 | - | 111 | - |
| | 1977 | 366 | - | 300 | 52 | 666 | 24 |
| 10 | 1983 | 9,594 | 3 | 112 | * | 9,706 | 3 |
| | 1982 | 8,576 | 3 | 641 | 3 | 9,217 | 3 |
| | 1981 | 13,593 | 1 | 163 | - | 13,756 | * |
| | 1980 | 16,723 | 4 | 170 | * | 16,893 | 4 |
| | 1979 | 22,805 | 6 | 192 | 39 | 22,997 | 6 |
| | 1978[3] | 21,642 | 2 | 62 | * | 21,704 | 2 |
| | 1977 | 21,155 | 6 | 282 | 83 | 21,437 | 6 |
| 11 | 1983 | 145 | - | 209 | - | 354 | - |
| | 1982 | 125 | - | 287 | - | 416 | - |
| | 1981 | 212 | - | 153 | - | 365 | - |
| | 1980 | 133 | 6 | 276 | - | 409 | 2 |
| | 1979 | 230 | 10 | 195 | - | 425 | 5 |
| | 1978 | 163 | - | 118 | - | 281 | - |
| | 1977 | 320 | - | 99 | * | 419 | * |

* Less than .5

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 12 | 1983 | 226 | * | 174 | - | 400 | * |
| | 1982 | 226 | - | 83 | 2 | 309 | * |
| | 1981 | 111 | * | 119 | 2 | 230 | 1 |
| | 1980 | 74 | * | 157 | 21 | 231 | 14 |
| | 1979 | 111 | - | 132 | * | 243 | * |
| | 1978 | 138 | * | 129 | 15 | 267 | 7 |
| | 1977 | 130 | - | 115 | 1 | 245 | * |
| 13 | 1983 3/ | 9,366 | 7 | 2,930 | * | 12,296 | 5 |
| | 1982 3/ | 5,718 | 5 | 4,606 | 7 | 10,324 | 6 |
| | 1981 3/ | 18,527 | 3 | 4,129 | * | 22,656 | 2 |
| | 1980 3/ | 31,411 | 3 | 2,948 | 4 | 34,359 | 3 |
| | 1979 3/ | 46,345 | 3 | 4,473 | 9 | 50,818 | 4 |
| | 1978 3/ | 42,655 | 1 | 4,089 | 10 | 46,744 | 1 |
| | 1977 | 40,510 | 2 | 3,001 | 48 | 43,511 | 5 |
| 16 | 1983 | 228 | * | 514 | 7 | 742 | 5 |
| | 1982 | 430 | - | 486 | - | 916 | - |
| | 1981 | 317 | 1 | 862 | 1 | 1,178 | 1 |
| | 1980 | 77 | - | 812 | - | 889 | - |
| | 1979 | 385 | - | 905 | * | 1,290 | * |
| | 1978 | 263 | - | 746 | - | 1,009 | - |
| | 1977 | 289 | - | 737 | * | 1,026 | * |
| 17 | 1983 3/ | 12,465 | 6 | 2,653 | - | 15,118 | 5 |
| | 1982 3/ | 9,003 | 6 | 1,404 | - | 10,407 | 5 |
| | 1981 3/ | 16,185 | 8 | 1,014 | - | 17,199 | 7 |
| | 1980 3/ | 18,581 | 7 | 801 | - | 19,382 | 6 |
| | 1979 3/ | 20,799 | 6 | 200 | - | 20,999 | 6 |
| | 1978 3/ | 24,812 | 5 | 100 | - | 24,912 | 5 |
| | 1977 | 26,139 | 6 | 95 | * | 26,234 | 1 |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 18 | 1983 3/ | 17,125 | 4 | 945 | 35 | 18,070 | 2 |
| | 1982 3/ | 21,597 | 6 | 1,460 | 30 | 23,057 | 7 |
| | 1981 3/ | 34,957 | 3 | 1,046 | 17 | 36,003 | 3 |
| | 1980 3/ | 39,418 | 1 | 1,004 | 7 | 40,422 | 1 |
| | 1979 3/ | 41,897 | 1 | 860 | 3 | 42,757 | 1 |
| | 1978 3/ | 46,911 | 1 | 1,338 | 14 | 48,249 | 1 |
| | 1977 | 23,048 | 2 | 1,321 | 21 | 24,369 | * |
| 19 | 1983 3/ | 51,499 | 16 | 2,928 | 6 | 54,427 | 15 |
| | 1982 3/ | 54,803 | 8 | 4,178 | 4 | 58,981 | 8 |
| | 1981 3/ | 68,482 | 6 | 2,443 | 8 | 70,925 | 6 |
| | 1980 3/ | 78,951 | 1 | 2,330 | 6 | 81,281 | 2 |
| | 1979 3/ | 94,625 | 6 | 1,983 | 5 | 96,608 | 6 |
| | 1978 3/ | 84,129 | 6 | 1,611 | 3 | 85,740 | 6 |
| | 1977 | 90,064 | 1 | 1,412 | 3 | 91,476 | * |
| 20 | 1983 | 694 | - | 349 | - | 1,043 | - |
| | 1982 3/ | 925 | - | 636 | - | 1,561 | - |
| | 1981 | 679 | - | 260 | * | 939 | * |
| | 1980 | 200 | 3 | 1,040 | * | 1,240 | * |
| | 1979 | 94 | - | 1,182 | 2 | 1,276 | 2 |
| | 1978 | 88 | * | 1,044 | * | 1,132 | * |
| | 1977 | 158 | - | 1,280 | - | 2,860 | - |
| 21 | 1983 3/ | 11,300 | 16 | 3,802 | * | 15,102 | 12 |
| | 1982 3/ | 16,266 | 5 | 15,016 | * | 31,282 | 3 |
| | 1981 3/ | 13,825 | 19 | 14,030 | 1 | 27,855 | 10 |
| | 1980 3/ | 8,644 | 5 | 13,210 | * | 21,854 | 2 |
| | 1979 3/ | 9,338 | 3 | 9,039 | 1 | 18,377 | 2 |
| | 1978 3/ | 9,740 | * | 6,038 | * | 15,778 | * |
| | 1977 | 5,295 | * | 4,672 | 1 | 9,967 | * |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 22 | 1983 | 457 | 3 | 2,571 | * | 3,028 | 1 |
| | 1982 | 578 | * | 2,935 | 2 | 3,513 | * |
| | 1981 | 388 | * | 2,046 | * | 2,434 | * |
| | 1980 | 270 | - | 1,566 | * | 1,836 | * |
| | 1979 | 278 | - | 2,068 | * | 2,346 | * |
| | 1978 | 264 | - | 1,421 | 2 | 1,685 | 2 |
| | 1977 | 303 | - | 925 | 9 | 1,228 | 1 |
| 23 | 1983 | 1,017 | 18 | 522 | - | 1,539 | 12 |
| | 1982 | 730 | * | 304 | 13 | 1,034 | 4 |
| | 1981 | 352 | - | 30 | - | 382 | - |
| | 1980 | 1,002 | 7 | 122 | 4 | 1,124 | 7 |
| | 1979 | 1,660 | 16 | 45 | - | 1,705 | 16 |
| | 1978 | 976 | 4 | 36 | - | 1,012 | 4 |
| | 1977 | 1,730 | 17 | 29 | - | 1,759 | 16 |
| 24 | 1983 | 64 | - | 15 | - | 79 | - |
| | 1982 | 32 | - | - | - | 32 | - |
| | 1981 | 9 | - | 43 | - | 52 | - |
| | 1980 | - | - | 95 | - | 95 | - |
| | 1979 | 34 | * | 199 | - | 133 | * |
| | 1978 | - | - | 201 | - | 201 | - |
| | 1977 | 30 | - | - | - | 30 | - |
| 25 | 1983 | 469 | - | 189 | 15 | 658 | 4 |
| | 1982 | 488 | 17 | 576 | 13 | 1,064 | 14 |
| | 1981 | 93 | - | 158 | 20 | 251 | 13 |
| | 1980 | 129 | - | 130 | 19 | 259 | 9 |
| | 1979 | 344 | * | 245 | - | 589 | * |
| | 1978 | 332 | - | 362 | - | 694 | - |
| | 1977 | 2,625 | 13 | 109 | - | 2,734 | 12 |

* Less than .5%
** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 26 | 1983 | 100 | * | 406 | * | 506 | * |
| | 1982 | 143 | * | 830 | - | 973 | * |
| | 1981 | 108 | * | 946 | - | 1,054 | * |
| | 1980 | 65 | - | 1,432 | - | 1,497 | - |
| | 1979 | 121 | * | 1,706 | - | 1,827 | * |
| | 1978 | 119 | * | 1,713 | - | 1,832 | * |
| | 1977 | 108 | - | 344 | - | 452 | - |
| 27 | 1983 | 136 | - | 399 | * | 535 | * |
| | 1982 | 17 | - | 424 | - | 441 | - |
| | 1981 | 39 | - | 314 | - | 353 | - |
| | 1980 | 28 | - | 137 | - | 165 | - |
| | 1979 | 32 | - | 196 | - | 228 | - |
| | 1978 | 55 | - | 185 | * | 240 | * |
| | 1977 | 115 | - | 65 | - | 180 | - |
| 28 | 1983 3/ | 247 | * | 55 | 73 | 302 | 13 |
| | 1982 | 150 | - | 354 | 6 | 504 | 4 |
| | 1981 3/ | 1,366 | 18 | 531 | 3 | 1,897 | 14 |
| | 1980 3/ | 1,991 | 2 | 141 | - | 2,132 | 2 |
| | 1979 3/ | 4,057 | 9 | 71 | 18 | 4,128 | 10 |
| | 1978 3/ | 5,453 | 8 | 88 | 11 | 5,541 | 7 |
| | 1977 | 18,043 | 7 | 1 | - | 18,044 | 7 |
| 29 | 1983 | 1,647 | 2 | 5,317 | 2 | 6,964 | 2 |
| | 1982 | 1,941 | 1 | 4,720 | * | 6,661 | * |
| | 1981 | 1,084 | 2 | 2,890 | 1 | 3,974 | 1 |
| | 1980 | 680 | - | 3,691 | * | 4,371 | * |
| | 1979 3/ | 963 | - | 3,303 | * | 4,266 | * |
| | 1978 | 386 | * | 2,936 | * | 3,322 | * |
| | 1977 | 323 | 2 | 1,282 | - | 1,605 | * |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 31 | 1983 3/ | 3,236 | 2 | 805 | 3 | 4,041 | 2 |
| | 1982 3/ | 2,241 | 2 | 451 | - | 2,692 | 2 |
| | 1981 3/ | 1,785 | 4 | 354 | - | 2,139 | 4 |
| | 1980 3/ | 1,919 | * | 360 | 1 | 2,279 | 1 |
| | 1979 3/ | 2,843 | 5 | 295 | * | 3,138 | 5 |
| | 1978 3/ | 2,996 | 2 | 284 | * | 3,280 | 2 |
| | 1977 | 495 | 7 | 235 | - | 730 | * |
| 32 1/ | 1979 | 73 | 21 | 166 | - | 239 | 7 |
| | 1978 | 92 | * | 102 | * | 194 | * |
| | 1977 | 45 | * | 118 | - | 163 | * |
| 33 1/ | 1979 | - | - | - | - | 14 | - |
| | 1978 | 69 | - | 1 | - | 70 | - |
| | 1977 | 29 | - | - | - | 29 | - |
| 34 1/ | 1979 | 14 | - | - | - | 14 | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | 1 | - | 1 | - |

* Less than .5%
** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 35 | 1983 | 75 | - | 12 | 100 | 87 | 14 |
| | 1982 | 63 | - | 9 | 100 | 72 | 13 |
| | 1981 | 31 | 40 | 13 | 100 | 44 | 57 |
| | 1980 | 40 | 36 | 5 | 100 | 45 | 42 |
| | 1979 | 10 | 71 | 7 | 100 | 17 | 82 |
| | 1978 | 17 | 76 | 11 | 75 | 28 | 76 |
| | 1977 | 10 | 37 | 8 | 100 | 18 | 67 |
| 36 | 1983 | 28 | - | 11 | - | 39 | - |
| | 1982 | 54 | - | 5 | 1 | 59 | * |
| | 1981 | 35 | - | 3 | - | 38 | * |
| | 1980 | 64 | - | - | - | 64 | - |
| | 1979 | 44 | - | 16 | 12 | 60 | 3 |
| | 1978 | 34 | - | 113 | - | 147 | - |
| | 1977 | 6 | - | 29 | - | 35 | - |
| 37 | 1983 | - | - | - | - | - | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | - | - | - | - | - | - |
| | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |
| 38 | 1983 | - | - | - | - | - | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | - | - | - | - | - | - |
| | 1979 | 3 | 100 | - | - | 3 | 100 |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 41 (14-1) | 1983 | 7,342 | 3 | 7 | - | 7,349 | 3 |
| | 1982[3/] | 9,491 | 5 | 44 | - | 9,535 | 5 |
| | 1981[3/] | 9,683 | 1 | 16 | - | 9,699 | 1 |
| | 1980[3/] | 9,530 | * | 6 | - | 9,536 | * |
| | 1979[3/] | 15,890 | * | 13 | * | 15,903 | * |
| | 1978[3/] | 13,929 | * | 6 | - | 13,935 | * |
| | 1977 | 17,282 | 1 | 3 | 19 | 17,285 | * |
| 42 (14-2) | 1983[3/] | 9,666 | 8 | 623 | 4 | 10,289 | 8 |
| | 1982[3/] | 12,619 | 4 | 177 | - | 12,796 | 4 |
| | 1981[3/] | 16,318 | 4 | 84 | - | 16,402 | 4 |
| | 1980[3/] | 22,024 | 1 | 160 | * | 22,184 | 1 |
| | 1979[3/] | 28,670 | 1 | 104 | - | 28,774 | 1 |
| | 1978[3/] | 20,353 | 1 | 87 | * | 20,440 | 1 |
| | 1977 | 11,651 | 3 | 41 | - | 11,692 | * |
| 43 (14-3) | 1983 | - | - | - | - | - | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | - | - | 1 | - | 1 | - |
| | 1980 | 343 | 30 | - | - | 343 | 30 |
| | 1979 | 39 | 100 | - | - | 39 | 100 |
| | 1978 | 32 | - | ** | - | 32 | - |
| | 1977 | 2,046 | 5 | - | - | 2,046 | 5 |
| 51 (15-A) | 1983 | 69 | * | 11 | - | 80 | * |
| | 1982 | 146 | - | 20 | - | 166 | - |
| | 1981 | 34 | - | 4 | - | 38 | - |
| | 1980 | 41 | - | 1 | - | 42 | - |
| | 1979 | 93 | 33 | 4 | * | 97 | 31 |
| | 1978 | 13 | - | 13 | - | 26 | - |
| | 1977 | 90 | - | 5 | 9 | 95 | * |

* Less than .5%
** Less than 500 tons

# TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 52 (15-B) | 1983 | 127 | - | 307 | 7 | 434 | 5 |
| | 1982 | 128 | 21 | 406 | 9 | 534 | 12 |
| | 1981 | 1 | - | 408 | 17 | 409 | 17 |
| | 1980 | 6 | - | 462 | - | 468 | - |
| | 1979 | 28 | - | 345 | 4 | 373 | 4 |
| | 1978 | 161 | - | 180 | - | 341 | - |
| | 1977 | 59 | - | 158 | - | 217 | - |
| 53 (15-C) | 1983 | - | - | 2 | - | 2 | - |
| | 1982 | - | - | 2 | - | 2 | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | - | - | 8 | - | 8 | - |
| | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | 24 | - | 42 | - | 66 | - |
| 54 1/ | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |
| 55 1/ | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 56 1/ | 1979 | ** | - | - | - | ** | - |
| | 1978 | 2 | - | - | - | 2 | - |
| | 1977 | 1 | - | - | - | 1 | - |
| 58 | 1983 | - | - | - | - | - | - |
| | 1982 | 19 | 86 | - | - | 19 | 86 |
| | 1981 | 5 | - | - | - | 5 | - |
| | 1980 | 24 | 62 | - | - | 24 | 62 |
| | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | 8 | 100 | - | - | 8 | 100 |
| 59 1/ | 1979 | - | - | 2 | 100 | 2 | 100 |
| | 1978 | - | - | ** | - | - | - |
| | 1977 | ** | 100 | ** | 100 | ** | 100 |
| 60 1/ | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |

** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 65 (26-C) | 1983 | 210 | * | 47 | 96 | 257 | 88 |
| | 1982 | 392 | 6 | 564 | 66 | 956 | 41 |
| | 1981 | 555 | * | 299 | 38 | 854 | 22 |
| | 1980 | 296 | * | 210 | * | 506 | * |
| | 1979 | 137 | 46 | 430 | - | 567 | 11 |
| | 1978 | 134 | - | 267 | - | 401 | - |
| | 1977 | 302 | 2 | 126 | - | 428 | * |
| 71 | 1983 | 54 | - | 3 | * | 57 | * |
| | 1982 | 15 | 77 | 4 | - | 19 | 63 |
| | 1981 | 56 | - | 4 | - | 60 | - |
| | 1980 | 154 | 3 | 1 | - | 155 | 3 |
| | 1979 | 18 | - | 5 | - | 23 | - |
| | 1978 | 27 | - | 1 | - | 28 | - |
| | 1977 | 92 | - | 1 | 5 | 97 | * |
| 72 | 1983 | 259 | * | 226 | 27 | 485 | 13 |
| | 1982 | 66 | * | 109 | 32 | 176 | 20 |
| | 1981 | 227 | - | 46 | 11 | 273 | 2 |
| | 1980 | 108 | - | 97 | 12 | 205 | 5 |
| | 1979 | 101 | - | 29 | 29 | 130 | 7 |
| | 1978 | 165 | - | 48 | 11 | 213 | 2 |
| | 1977 | 195 | - | 32 | - | 227 | - |
| 77 2/ | 1979 | 30 | - | - | - | 30 | - |
| | 1978 | 35 | - | - | - | 35 | - |
| | 1977 | 33 | - | ** | 100 | 33 | * |

* Less than .5%
** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 78 2/ | 1979 | 21 | - | 13 | - | 34 | - |
| | 1978 | 7 | - | 8 | - | 15 | - |
| | 1977 | 60 | - | 12 | - | 72 | - |
| 80 1/ | 1983 | - | - | - | - | - | - |
| | 1982 | - | - | - | - | - | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | - | - | - | - | - | - |
| | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |
| 81 | 1983 | 636 | - | 41 | 11 | 677 | 1 |
| | 1982 | 848 | 5 | 18 | - | 866 | 5 |
| | 1981 | 3,259 | 3 | 42 | 5 | 3,301 | 3 |
| | 1980 | 1,082 | 2 | 12 | - | 1,094 | 2 |
| | 1979 | 1,238 | 6 | 32 | - | 1,270 | 6 |
| | 1978 | 1,273 | 6 | 54 | - | 1,327 | 6 |
| | 1977 | 694 | 2 | 9 | - | 703 | * |
| 82 | 1983 | 86 | - | 667 | 10 | 753 | 9 |
| | 1982 | 279 | - | 707 | 14 | 986 | 10 |
| | 1981 | 1,011 | - | 315 | - | 1,326 | - |
| | 1980 | 112 | - | 287 | 2 | 399 | 1 |
| | 1979 | 203 | 5 | 338 | 1 | 541 | 2 |
| | 1978 | 92 | - | 427 | - | 519 | - |
| | 1977 | 173 | - | 263 | 5 | 436 | * |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 83 | 1983 | 7 | * | 76 | - | 83 | * |
| | 1982 | 26 | - | - | - | 26 | - |
| | 1981 | - | - | - | - | - | - |
| | 1980 | ** | * | - | - | ** | - |
| | 1979 | - | - | 9 | - | 9 | - |
| | 1978 | 70 | 16 | 15 | 15 | 85 | 16 |
| | 1977 | - | - | - | - | - | - |
| 84 1/ | 1979 | - | - | - | - | - | - |
| | 1978 | - | - | - | - | - | - |
| | 1977 | - | - | - | - | - | - |
| 85 | 1983 | 97 | 10 | - | - | 97 | 10 |
| | 1982 | 102 | - | - | - | 102 | - |
| | 1981 | 5 | - | - | - | 5 | - |
| | 1980 | 152 | 41 | - | - | 152 | 41 |
| | 1979 | 34 | 17 | - | - | 34 | 17 |
| | 1978 | 28 | - | - | - | 28 | - |
| | 1977 | 67 | - | - | - | 67 | - |
| 86 | 1983 | 184 | 10 | 3 | - | 187 | 10 |
| | 1982 | 127 | 33 | - | - | 127 | 33 |
| | 1981 | 88 | 55 | - | - | 88 | 55 |
| | 1980 | 19 | 92 | - | - | 19 | 92 |
| | 1979 | - | - | 22 | - | 22 | - |
| | 1978 | 8 | - | 46 | - | 54 | - |
| | 1977 | 4 | - | ** | - | 4 | - |

* Less than .5%
** Less than 500 tons

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 87 | 1983 | 447 | 38 | 123 | 44 | 570 | 39 |
| | 1982 | 203 | 37 | 113 | 14 | 316 | 29 |
| | 1981 | 114 | 15 | 190 | 38 | 304 | 29 |
| | 1980 | 41 | 5 | 284 | 13 | 325 | 12 |
| | 1979 | 52 | 8 | 299 | 12 | 351 | 11 |
| | 1978 | 8 | 1 | 254 | 33 | 262 | 32 |
| | 1977 | 29 | 17 | 185 | 36 | 214 | 34 |
| 89 | 1983 | 30 | 23 | - | - | 30 | 23 |
| | 1982 | 7 | - | - | - | 7 | - |
| | 1981 | 77 | 76 | 29 | - | 106 | 54 |
| | 1980 | 71 | 100 | 290 | - | 361 | 20 |
| | 1979 | 278 | 74 | 217 | - | 495 | 41 |
| | 1978 | 314 | 91 | 242 | 1 | 556 | 52 |
| | 1977 | 250 | 78 | 25 | - | 275 | 71 |
| 91 | 1983 [3] | 20,014 | 9 | 661 | - | 20,675 | 9 |
| | 1982 | 22,349 | 8 | 2,071 | * | 24,420 | 8 |
| | 1981 | 20,310 | 1 | 286 | 1 | 20,596 | 1 |
| | 1980 | 8,947 | 5 | 314 | 1 | 9,261 | 5 |
| | 1979 | 11,240 | 4 | 362 | - | 11,602 | 4 |
| | 1978 | 13,240 | 1 | 360 | - | 13,600 | 1 |
| | 1977 | 16,036 | 2 | 351 | - | 16,387 | * |
| 92 | 1983 | 3,358 | - | 23 | - | 3,381 | - |
| | 1982 | 2,432 | - | 87 | - | 2,519 | - |
| | 1981 | 3,514 | 1 | 27 | - | 3,541 | 1 |
| | 1980 | 3,183 | 1 | 75 | - | 3,258 | 1 |
| | 1979 | 3,233 | 1 | 39 | 100 | 3,272 | 2 |
| | 1978 | 4,235 | - | 2 | - | 4,237 | - |
| | 1977 | 4,973 | 2 | 1 | - | 4,974 | * |

* Less than .5%

## TANKER SERVICE

| Trade Route | Year | Inbound Total Tons | U.S. % | Outbound Total Tons | U.S. % | In & Out Total Tons | U.S. % |
|---|---|---|---|---|---|---|---|
| 93 | 1983 | 64 | - | 52 | - | 116 | - |
| | 1982 | 146 | - | 53 | - | 199 | - |
| | 1981 | 213 | - | 20 | - | 233 | - |
| | 1980 | 414 | 8 | 11 | - | 425 | - |
| | 1979 | 404 | - | 32 | 67 | 436 | 5 |
| | 1978 | 425 | 6 | 44 | - | 496 | 6 |
| | 1977 | 679 | - | 48 | - | 727 | - |
| 94 4/ | 1983 | 19,814 | 12 | - | - | 19,814 | 12 |
| | 1982 | 25,480 | 8 | - | - | 25,480 | 8 |
| | 1981 | 48,236 | 10 | - | - | 48,236 | 10 |
| | 1980 | 54,544 | 2 | - | - | 54,544 | 2 |
| | 1979 | 63,993 | 2 | - | - | 63,993 | 2 |
| | 1978 | 70,947 | * | - | - | 70,947 | * |
| | 1977 | 34,971 | 4 | - | - | 34,971 | 4 |

* Less than .5%

1/ Refer to technical notes, page vi for explanation.

2/ As of October 1979, Bureau of the Census statistics reflect the Canal Zone as part of Panama. As a result, Trade Route Nos. 77 (U.S. Atlantic/Pacific Canal Zone) and 78 (U.S. Gulf/Pacific Canal Zone) will not appear beginning with calendar year 1980.

3/ Includes lightered petroleum imports moving on that route.

4/ Trade Route No. 99 reflects the total tonnage of lightered petroleum cargo. Tonnage shown has also been distributed to appropriate trade routes.

## Appendix C

## U.S. Waterborne Foreign Trade
## Top Thirty Trade Partners
## Origin Destination 1/
## Calendar Year 1983
## (Thousands of Long Tons)

| Rank | Country | Total Tons | Pct. 2/ Change | Import Tons | Pct. 2/ Change | Export Tons | Pct. 2/ Change |
|---|---|---|---|---|---|---|---|
| 1 | Japan | 80,028 | - 5 | 10,549 | - 4 | 69,479 | - 5 |
| 2 | Canada | 53,474 | 3 | 27,302 | 7 | 26,172 | - 1 |
| 3 | Mexico | 49,965 | 4 | 42,647 | 4 | 7,318 | 2 |
| 4 | Venezuela | 31,639 | - 6 | 27,110 | - 6 | 4,529 | - 3 |
| 5 | Netherlands | 26,037 | -15 | 5,174 | 37 | 20,863 | -22 |
| 6 | United Kingdom | 24,442 | -18 | 18,843 | -17 | 5,599 | -21 |
| 7 | Indonesia | 22,433 | 36 | 19,834 | 43 | 2,599 | 1 |
| 8 | Republic of Korea | 19,209 | 5 | 2,871 | 36 | 16,075 | 2 |
| 9 | Algeria | 18,379 | 47 | 16,650 | 54 | 1,729 | - 2 |
| 10 | Italy | 15,853 | -22 | 2,853 | -12 | 13,000 | -23 |
| 11 | Saudi Arabia | 15,277 | -44 | 13,012 | -47 | 2,265 | -11 |
| 12 | Nigeria | 15,223 | -40 | 13,310 | -42 | 1,913 | -19 |
| 13 | Brazil | 14,986 | 3 | 8,227 | 19 | 6,759 | -11 |
| 14 | Republic of China | 14,552 | 28 | 3,268 | 30 | 11,284 | 27 |
| 15 | Spain | 13,951 | -20 | 3,263 | 58 | 10,688 | -31 |
| 16 | Netherlands Antilles | 13,613 | 11 | 12,428 | 8 | 1,185 | 54 |
| 17 | West Germany | 12,985 | - 5 | 3,898 | -10 | 9,087 | - 2 |
| 18 | Belgium | 12,224 | -17 | 2,004 | - 4 | 10,220 | -19 |
| 19 | People's Rep. of China | 11,723 | -27 | 3,095 | -14 | 8,628 | -31 |
| 20 | U.S.S.R. | 10,503 | -24 | 1,315 | 69 | 9,188 | -30 |
| 21 | Bahamas | 10,479 | 7 | 9,791 | 20 | 688 | -57 |
| 22 | France | 10,264 | -30 | 2,802 | 14 | 7,462 | -38 |
| 23 | India | 9,056 | 64 | 4,072 | 135 | 4,984 | -31 |
| 24 | Australia | 7,059 | 3 | 4,369 | - 5 | 2,690 | 18 |
| 25 | United Arab Emirates | 7,016 | 3 | 1,093 | -47 | 5,923 | 26 |
| 26 | Trinidad & Tobago | 6,524 | -12 | 5,660 | -15 | 864 | 17 |
| 27 | Ecuador | 6,272 | 38 | 5,099 | 41 | 1,173 | 26 |
| 28 | Norway | 5,053 | -34 | 3,928 | -34 | 1,125 | -35 |
| 29 | Jamaica | 4,864 | -20 | 3,834 | -26 | 1,030 | 15 |
| 30 | Angola | 4,467 | 49 | 4,414 | 52 | 53 | -51 |
|  | All Other Countries | 109,999 | - 6 | 50,720 | - 8 | 59,279 | - 5 |
|  | Total | 657,549 | - 6 | 333,435 | - 3 | 324,114 | -10 |

1/ - Include translakes (U.S. Great Lakes/Canadian Great Lakes-Trade Route No. 61).

2/ - Compared to Calendar Year 1982.

## Appendix D Table 1

## Imports & Exports
## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
## Thousands of Long Tons

| Year | Total Tons | U.S. % | Tons Liner | U.S. % | Tons Non-Liner | U.S. % | Tons Tankers | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 260,045 | 20.7 | 46,412 | 38.7 | 115,971 | 13.6 | 97,662 | 20.6 |
| 1957 | 289,280 | 17.6 | 46,705 | 38.0 | 135,098 | 12.0 | 107,477 | 15.7 |
| 1958 | 253,332 | 12.2 | 43,427 | 32.3 | 105,095 | 8.4 | 104,810 | 7.6 |
| 1959 | 267,036 | 10.2 | 48,074 | 28.1 | 106,880 | 7.7 | 112,082 | 4.8 |
| 1960 | 277,893 | 11.1 | 50,678 | 28.6 | 109,008 | 7.7 | 118,207 | 6.9 |
| 1961 | 272,364 | 9.7 | 48,977 | 25.8 | 106,713 | 7.3 | 116,674 | 5.1 |
| 1962 | 296,784 | 10.0 | 48,276 | 26.2 | 125,179 | 6.7 | 123,329 | 6.9 |
| 1963 | 311,577 | 9.2 | 48,838 | 27.7 | 136,195 | 6.0 | 126,544 | 5.4 |
| 1964 | 332,832 | 9.2 | 50,319 | 28.1 | 161,389 | 6.1 | 121,124 | 5.5 |
| 1965 | 371,285 | 7.5 | 49,189 | 22.8 | 171,634 | 4.8 | 150,462 | 5.5 |
| 1966 | 392,151 | 6.7 | 49,906 | 22.9 | 189,505 | 3.6 | 152,840 | 5.2 |
| 1967 | 387,586 | 5.3 | 47,933 | 22.2 | 190,367 | 2.8 | 149,286 | 3.0 |
| 1968 | 418,622 | 6.0 | 46,083 | 24.0 | 209,454 | 3.0 | 163,085 | 4.6 |
| 1969 | 427,479 | 4.6 | 41,912 | 23.1 | 212,036 | 2.2 | 173,531 | 3.2 |
| 1970 | 473,246 | 5.3 | 50,387 | 23.5 | 240,723 | 2.2 | 182,136 | 4.4 |
| 1971 | 457,434 | 5.3 | 44,209 | 22.9 | 220,741 | 2.1 | 192,484 | 4.9 |
| 1972 | 513,566 | 4.6 | 44,641 | 21.9 | 242,564 | 1.6 | 226,361 | 4.5 |
| 1973 | 631,572 | 6.3 | 51,244 | 25.8 | 281,910 | 1.6 | 298,418 | 7.4 |
| 1974 | 628,922 | 6.5 | 51,424 | 29.8 | 282,723 | 1.8 | 294,775 | 7.0 |
| 1975 | 615,567 | 5.1 | 44,250 | 30.7 | 275,332 | 1.4 | 295,985 | 4.7 |
| 1976 | 698,763 | 4.8 | 49,753 | 30.9 | 289,639 | 1.7 | 359,371 | 3.8 |
| 1977 | 775,332 | 4.5 | 47,754 | 30.2 | 289,024 | 2.0 | 438,554 | 3.3 |
| 1978 | 775,649 | 4.1 | 56,491 | 28.3 | 308,858 | 1.5 | 410,300 | 2.8 |
| 1979 | 823,098 | 4.2 | 57,028 | 27.5 | 342,696 | 1.0 | 423,374 | 3.7 |
| 1980 | 772,244 | 3.7 | 59,261 | 27.3 | 356,704 | 1.2 | 356,279 | 2.2 |
| 1981 | 759,999 | 4.5 | 59,954 | 27.6 | 365,646 | 1.2 | 334,399 | 3.9 |
| 1982 | 675,545 | 4.6 | 54,478 | 26.2 | 335,816 | 1.0 | 285,251 | 4.7 |
| 1983 | 630,412 | 5.8 | 56,775 | 24.6 | 317,684 | 1.5 | 255,953 | 7.0 |

## Appendix D Table 2

## Imports
## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
## Thousands of Long Tons

| Year | Total Tons | U.S. % | Tons Liner | U.S. % | Tons Non-Liner | U.S. % | Tons Tankers | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 148,940 | 23.4 | 17,795 | 39.4 | 47,571 | 21.3 | 83,574 | 21.1 |
| 1957 | 159,738 | 18.7 | 16,982 | 39.4 | 55,264 | 16.9 | 87,492 | 15.8 |
| 1958 | 164,031 | 10.6 | 16,145 | 34.3 | 51,483 | 10.9 | 96,403 | 6.4 |
| 1959 | 183,498 | 8.2 | 19,994 | 29.7 | 61,762 | 8.3 | 101,742 | 3.9 |
| 1960 | 181,831 | 8.7 | 18,511 | 29.3 | 60,042 | 8.4 | 103,278 | 5.2 |
| 1961 | 172,223 | 6.7 | 17,535 | 24.3 | 51,919 | 6.9 | 102,769 | 3.7 |
| 1962 | 191,667 | 7.5 | 18,145 | 24.2 | 62,878 | 6.0 | 110,644 | 5.6 |
| 1963 | 190,189 | 6.1 | 18,366 | 24.5 | 58,388 | 4.9 | 113,435 | 3.7 |
| 1964 | 198,622 | 5.9 | 18,415 | 25.2 | 74,440 | 5.0 | 105,767 | 3.2 |
| 1965 | 233,793 | 5.1 | 19,597 | 21.3 | 83,448 | 3.8 | 130,748 | 3.6 |
| 1966 | 245,328 | 4.9 | 21,339 | 22.3 | 87,864 | 3.2 | 136,125 | 3.3 |
| 1967 | 237,295 | 3.8 | 20,103 | 22.2 | 86,230 | 2.6 | 130,962 | 1.7 |
| 1968 | 263,387 | 4.8 | 20,721 | 23.6 | 94,089 | 2.5 | 148,577 | 3.7 |
| 1969 | 268,319 | 3.3 | 18,366 | 23.0 | 91,343 | 0.7 | 158,610 | 2.5 |
| 1970 | 279,689 | 4.6 | 21,153 | 23.2 | 94,098 | 1.8 | 164,438 | 3.8 |
| 1971 | 293,978 | 4.6 | 21,479 | 22.3 | 94,714 | 0.9 | 177,785 | 4.4 |
| 1972 | 327,463 | 3.9 | 21,786 | 20.5 | 96,297 | 0.9 | 209,380 | 3.5 |
| 1973 | 405,569 | 6.3 | 22,966 | 23.5 | 103,661 | 1.4 | 278,942 | 6.7 |
| 1974 | 409,119 | 6.8 | 22,844 | 29.0 | 110,985 | 2.5 | 275,290 | 6.6 |
| 1975 | 395,732 | 4.7 | 19,132 | 30.8 | 98,065 | 1.5 | 278,535 | 4.0 |
| 1976 | 466,630 | 4.0 | 21,941 | 31.2 | 104,639 | 1.6 | 340,050 | 3.0 |
| 1977 | 550,393 | 3.9 | 21,874 | 31.3 | 108,226 | 2.3 | 420,293 | 2.9 |
| 1978 | 529,123 | 3.8 | 25,393 | 29.8 | 118,816 | 1.7 | 384,914 | 2.8 |
| 1979 | 530,024 | 4.3 | 23,406 | 28.8 | 114,004 | 1.2 | 392,614 | 3.8 |
| 1980 | 438,198 | 3.5 | 22,760 | 30.1 | 93,492 | 1.2 | 321,946 | 2.3 |
| 1981 | 420,066 | 5.1 | 26,455 | 29.2 | 93,360 | 1.7 | 300,251 | 4.1 |
| 1982 | 337,603 | 5.7 | 23,825 | 29.1 | 73,512 | 1.0 | 240,266 | 4.9 |
| 1983 | 327,616 | 7.7 | 26,810 | 26.5 | 73,529 | 1.9 | 227,277 | 7.4 |

## Appendix D Table 3

## Exports
## Tonnage of Cargo Carried in United States Oceanborne Foreign Trade
## Thousands of Long Tons

| Year | Total Tons | U.S. % | Tons Liner | U.S. % | Tons Non-Liner | U.S. % | Tons Tankers | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 111,105 | 17.2 | 28,617 | 38.2 | 68,400 | 8.3 | 14,088 | 17.4 |
| 1957 | 129,542 | 16.2 | 29,723 | 37.2 | 79,834 | 8.6 | 19,985 | 15.2 |
| 1958 | 89,301 | 15.1 | 27,282 | 31.2 | 53,612 | 6.1 | 8,407 | 20.9 |
| 1959 | 83,538 | 14.4 | 28,080 | 27.0 | 45,118 | 6.8 | 10,340 | 13.9 |
| 1960 | 96,062 | 15.8 | 32,167 | 28.2 | 48,966 | 6.9 | 14,929 | 18.7 |
| 1961 | 100,141 | 14.7 | 31,442 | 26.7 | 54,794 | 7.7 | 13,905 | 15.2 |
| 1962 | 105,117 | 14.4 | 30,131 | 27.5 | 62,301 | 7.3 | 12,685 | 18.5 |
| 1963 | 121,388 | 14.0 | 30,472 | 29.6 | 77,807 | 6.8 | 13,109 | 20.2 |
| 1964 | 134,210 | 14.0 | 31,904 | 29.9 | 86,949 | 7.0 | 15,357 | 20.8 |
| 1965 | 137,492 | 11.4 | 29,592 | 23.8 | 88,186 | 5.7 | 19,714 | 18.1 |
| 1966 | 146,922 | 9.6 | 28,567 | 23.3 | 101,641 | 4.0 | 16,714 | 20.2 |
| 1967 | 150,291 | 7.7 | 27,830 | 22.1 | 104,137 | 3.0 | 18,324 | 12.6 |
| 1968 | 155,235 | 7.9 | 25,362 | 24.3 | 115,385 | 3.5 | 14,508 | 14.2 |
| 1969 | 159,160 | 6.8 | 23,546 | 23.3 | 120,693 | 3.3 | 14,921 | 9.9 |
| 1970 | 193,557 | 6.4 | 29,234 | 23.6 | 146,625 | 2.5 | 17,698 | 10.2 |
| 1971 | 163,456 | 6.6 | 22,730 | 23.4 | 126,027 | 3.0 | 14,699 | 10.7 |
| 1972 | 186,103 | 6.0 | 22,855 | 23.4 | 146,267 | 2.0 | 16,981 | 16.8 |
| 1973 | 226,003 | 6.4 | 28,278 | 27.7 | 178,249 | 1.7 | 19,476 | 18.4 |
| 1974 | 219,803 | 6.0 | 28,580 | 30.5 | 171,738 | 1.3 | 19,485 | 11.7 |
| 1975 | 219,835 | 5.8 | 25,118 | 30.7 | 177,267 | 1.3 | 17,450 | 15.6 |
| 1976 | 232,133 | 6.5 | 27,812 | 30.7 | 185,000 | 1.7 | 19,321 | 17.1 |
| 1977 | 224,939 | 5.9 | 25,880 | 29.2 | 180,798 | 1.8 | 18,261 | 13.1 |
| 1978 | 246,526 | 4.8 | 31,098 | 27.1 | 190,042 | 1.3 | 25,386 | 3.3 |
| 1979 | 293,074 | 4.1 | 33,622 | 26.7 | 228,692 | 1.0 | 30,760 | 3.0 |
| 1980 | 334,046 | 3.8 | 36,501 | 25.4 | 263,212 | 1.1 | 34,333 | 1.4 |
| 1981 | 339,933 | 3.7 | 33,499 | 26.2 | 272,286 | 1.0 | 34,148 | 2.8 |
| 1982 | 337,942 | 3.5 | 30,653 | 24.1 | 262,304 | 1.0 | 44,985 | 4.0 |
| 1983 | 302,796 | 3.7 | 29,965 | 22.9 | 244,155 | 1.4 | 28,676 | 3.7 |

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## Appendix D Table 4

### Imports & Exports
### Value of Cargo Carried in United States Oceanborne Foreign Trade
### Millions of Dollars

| Year | Total $ Value | U.S. % | $ Value Liner | U.S. % | $ Value Non-Liner | U.S. % | $ Value Tanker | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 20,674 | 33.8 | 15,313 | 39.6 | 3,320 | 15.0 | 2,041 | 20.4 |
| 1957 | 22,862 | 32.1 | 16,422 | 29.1 | 4,016 | 12.6 | 2,424 | 16.8 |
| 1958 | 20,865 | 28.6 | 15,313 | 35.3 | 3,388 | 9.2 | 2,424 | 16.8 |
| 1959 | 22,802 | 26.1 | 16,843 | 32.5 | 3,669 | 8.4 | 2.164 | 11.4 |
| 1960 | 24,771 | 26.4 | 18,516 | 32.1 | 3,612 | 9.0 | 2,290 | 7.5 |
| 1961 | 24,699 | 25.6 | 18,321 | 31.4 | 3,718 | 10.6 | 2,643 | 10.4 |
| 1962 | 25,888 | 25.1 | 18,943 | 30.1 | 4,270 | 9.6 | 2,660 | 7.3 |
| 1963 | 27,543 | 25.1 | 19,579 | 31.5 | 5,192 | 9.6 | 2.675 | 9.4 |
| 1964 | 30,003 | 25.8 | 21,296 | 32.8 | 5,932 | 8.6 | 2,772 | 9.0 |
| 1965 | 32,455 | 21.4 | 22,349 | 27.9 | 6,565 | 6.3 | 2,775 | 8.8 |
| 1966 | 36,455 | 22.5 | 24,807 | 30.4 | 8,210 | 4.9 | 3,541 | 8.2 |
| 1967 | 36,629 | 21.7 | 24,835 | 29.8 | 8,582 | 4.5 | 3,438 | 7.7 |
| 1968 | 41,064 | 20.7 | 26,843 | 29.0 | 10,824 | 4.6 | 3,212 | 4.8 |
| 1969 | 41,895 | 19.3 | 27,216 | 27.4 | 11,086 | 3.9 | 3,397 | 16.6 |
| 1970 | 49,682 | 20.7 | 33,519 | 28.8 | 12,162 | 3.3 | 3,593 | 5.2 |
| 1971 | 50,425 | 19.6 | 32,399 | 28.4 | 13,167 | 3.1 | 4,001 | 5.6 |
| 1972 | 60,529 | 18.4 | 37,383 | 27.7 | 17,397 | 2.4 | 4,859 | 5.5 |
| 1973 | 84,006 | 18.9 | 49,640 | 29.1 | 25,216 | 2.5 | 5,749 | 6.2 |
| 1974 | 124,210 | 17.7 | 63,446 | 30.6 | 34,753 | 2.3 | 9,150 | 9.1 |
| 1975 | 127,508 | 17.5 | 64,035 | 31.2 | 36,616 | 2.8 | 26,011 | 6.9 |
| 1976 | 148,399 | 17.8 | 75,826 | 31.5 | 38,165 | 2.8 | 26,857 | 5.1 |
| 1977 | 171,178 | 16.4 | 82,261 | 30.7 | 42,714 | 2.8 | 34,408 | 4.2 |
| 1978 | 195,841 | 15.7 | 99,912 | 28.6 | 52,518 | 1.8 | 46,203 | 3.5 |
| 1979 | 242,117 | 14.7 | 117,614 | 27.6 | 62,000 | 1.7 | 43,411 | 2.7 |
| 1980 | 294,294 | 14.4 | 136,860 | 28.7 | 74,107 | 1.8 | 62,503 | 3.4 |
| 1981 | 315,386 | 14.9 | 148,006 | 28.1 | 81,018 | 2.3 | 83,327 | 2.1 |
| 1982 | 281,164 | 15.5 | 140,642 | 27.8 | 72,025 | 1.7 | 86,362 | 3.9 |
| 1983 | 267,401 | 16.1 | 139,603 | 27.2 | 69,751 | 1.7 | 68,497 | 4.7 |

## Appendix D Table 5

## Imports
## Value of Cargo Carried in United States Oceanborne Foreign Trade
## Millions of Dollars

| Year | Total $ Value | U.S. % | $ Value Liner | U.S. % | $ Value Non-Liner | U.S. % | $ Value Tanker | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 9,259 | 33.4 | 6.602 | 39.4 | 1,186 | 13.8 | 1,471 | 22.2 |
| 1957 | 9,609 | 31.0 | 6,497 | 39.0 | 1,433 | 11.2 | 1,679 | 17.0 |
| 1958 | 9,967 | 25.0 | 6,579 | 33.9 | 1,601 | 7.1 | 1,787 | 8.2 |
| 1959 | 11,968 | 23.3 | 8,313 | 31.1 | 1,911 | 6.1 | 1,744 | 4.7 |
| 1960 | 11,416 | 22.7 | 7,957 | 29.9 | 1,728 | 6.3 | 1,731 | 5.6 |
| 1961 | 10,910 | 22.1 | 7,657 | 29.3 | 1,495 | 6.4 | 1,758 | 3,9 |
| 1962 | 12,050 | 21.6 | 8,429 | 28.6 | 1,772 | 4.9 | 1,849 | 6.0 |
| 1963 | 12,672 | 20.6 | 8,703 | 28.2 | 2,037 | 3.8 | 1,932 | 4.0 |
| 1964 | 13,236 | 22.1 | 9,280 | 29.8 | 2,233 | 4.2 | 1,723 | 3.4 |
| 1965 | 15,134 | 18.1 | 10,123 | 25.1 | 2,828 | 3.7 | 2,183 | 3.8 |
| 1966 | 17,718 | 19.6 | 11,879 | 27.6 | 3,501 | 3.2 | 2,338 | 3.6 |
| 1967 | 17,809 | 19.2 | 11,749 | 27.9 | 3,836 | 2.7 | 2,224 | 2.0 |
| 1968 | 21,536 | 18.5 | 13,525 | 27.6 | 5.534 | 2.6 | 2,477 | 4.3 |
| 1969 | 21,905 | 17.3 | 13,720 | 26.5 | 5,585 | 1.2 | 2,600 | 3.3 |
| 1970 | 25,194 | 20.4 | 17,073 | 28.8 | 5,357 | 1.8 | 2,764 | 4.3 |
| 1971 | 27,772 | 19.4 | 17,571 | 29.3 | 6,570 | 1.2 | 3,661 | 4.7 |
| 1972 | 34,437 | 18.1 | 21,375 | 28.3 | 9,129 | 1.2 | 4,433 | 3.6 |
| 1973 | 44,084 | 19.8 | 27,420 | 29.1 | 9,443 | 2.4 | 7,221 | 8.2 |
| 1974 | 68,339 | 17.4 | 32,680 | 31.0 | 13,346 | 2.0 | 22,313 | 6.7 |
| 1975 | 65,527 | 16.1 | 29,689 | 31.6 | 12,272 | 1.9 | 23,566 | 4.0 |
| 1976 | 82,979 | 16.1 | 37,920 | 31.9 | 14,474 | 2.0 | 30,585 | 3.0 |
| 1977 | 105,101 | 14.8 | 44,138 | 31.5 | 18,701 | 2.5 | 42,262 | 2.8 |
| 1978 | 118,121 | 15.2 | 54,941 | 30.1 | 24,397 | 1.4 | 38,783 | 2.7 |
| 1979 | 144,288 | 14.4 | 62,006 | 29.7 | 26,516 | 1.4 | 55,766 | 3.6 |
| 1980 | 173,889 | 14.3 | 70,066 | 32.6 | 29,158 | 1.1 | 74,665 | 2.2 |
| 1981 | 188,509 | 15.2 | 78,881 | 31.7 | 33,291 | 1.2 | 76,337 | 4.2 |
| 1982 | 162,490 | 16.4 | 74,620 | 31.7 | 31,063 | 0.8 | 56,807 | 5.0 |
| 1983 | 163,474 | 17.7 | 81,350 | 30.7 | 32,224 | 0.8 | 49,900 | 7.5 |

## Appendix D Table 6

### Exports
### Value of Cargo Carried in United States Oceanborne Foreign Trade
### Millions of Dollars

| Year | Total $ Value | U.S. % | $ Value Liner | U.S. % | $ Value Non-Liner | U.S. % | $ Value Tanker | U.S. % |
|---|---|---|---|---|---|---|---|---|
| 1956 | 11,415 | 34.1 | 8,711 | 39.8 | 2,134 | 15.6 | 570 | 16.0 |
| 1957 | 13,253 | 32.9 | 9,925 | 39.2 | 2,583 | 13.4 | 745 | 16.5 |
| 1958 | 10,989 | 21.9 | 8,734 | 36.4 | 1,787 | 11.0 | 377 | 26.5 |
| 1959 | 10,834 | 29 3 | 8,530 | 33.9 | 1,758 | 10.9 | 546 | 16.5 |
| 1960 | 13,355 | 29.6 | 10,559 | 33.7 | 1,884 | 11.5 | 912 | 19.5 |
| 1961 | 13,789 | 28.5 | 10,664 | 32.8 | 2,223 | 12.4 | 902 | 13.7 |
| 1962 | 13,838 | 28.2 | 10,514 | 32.7 | 2,498 | 13.0 | 826 | 16.9 |
| 1963 | 14,871 | 28.9 | 10,876 | 34.1 | 3,155 | 13.2 | 840 | 20.4 |
| 1964 | 16,767 | 28.7 | 12,016 | 35.1 | 3,699 | 11.2 | 1,052 | 17.8 |
| 1965 | 17,321 | 24.3 | 12,226 | 30.1 | 3,737 | 8.3 | 1,358 | 15.5 |
| 1966 | 18,737 | 25.3 | 12,929 | 33.0 | 4,709 | 6.2 | 1,099 | 16.5 |
| 1967 | 18,820 | 24.0 | 13,086 | 31.5 | 4,745 | 6.0 | 989 | 11.3 |
| 1968 | 19,528 | 23.2 | 13,318 | 30.5 | 5.290 | 6.7 | 920 | 12.8 |
| 1969 | 19,972 | 21.4 | 13,496 | 28.3 | 5,483 | 1.2 | 993 | 10.0 |
| 1970 | 24,488 | 21.0 | 16,446 | 28.8 | 6,805 | 4.4 | 1,237 | 8.6 |
| 1971 | 22,653 | 19.7 | 14,858 | 27.3 | 6,597 | 4.9 | 1,198 | 8.0 |
| 1972 | 25,592 | 18.7 | 16,008 | 26.8 | 8,268 | 3.7 | 1,316 | 14.7 |
| 1973 | 39,922 | 18.0 | 22,220 | 29.1 | 15,773 | 2.9 | 1,929 | 12.9 |
| 1974 | 55,871 | 18.1 | 30,766 | 30.2 | 21,407 | 2.6 | 3,698 | 7.8 |
| 1975 | 61,981 | 19.0 | 34,346 | 30.9 | 24,344 | 3.2 | 3,291 | 12.6 |
| 1976 | 65,419 | 20.0 | 37,906 | 31.2 | 23,690 | 3.3 | 3,823 | 13.4 |
| 1977 | 66,077 | 18.8 | 38,123 | 29.7 | 24,013 | 3.0 | 3,941 | 10.3 |
| 1978 | 77,720 | 16.4 | 44,971 | 26.8 | 28,121 | 2.2 | 4,628 | 2.6 |
| 1979 | 97,829 | 15.2 | 55,608 | 25.3 | 35,484 | 2.0 | 6,737 | 1.9 |
| 1980 | 120,405 | 14.5 | 66,794 | 24.6 | 44,949 | 2.2 | 8,662 | 1.2 |
| 1981 | 126,877 | 14.5 | 79,125 | 24.1 | 47,727 | 3.0 | 10,025 | 2.0 |
| 1982 | 118,674 | 14.1 | 66,022 | 23.3 | 40,962 | 2.4 | 11,690 | 3.3 |
| 1983 | 103,927 | 13.6 | 58,253 | 22.2 | 37,527 | 2.5 | 8,147 | 2.6 |

## Appendix E Table 1

## U.S. Oceanborne Foreign Trade
## Top Ten Trade Routes
## All Services
## Calendar Year 1983

Thousands of Long Tons

| Trade Route | Total Tons | Pct.2/ Change | Import1/ Tons | Pct.2/ Change | Export Tons | Pct.2/ Change |
|---|---|---|---|---|---|---|
| 19 | 74,079 | - 4 | 59,214 | - 8 | 14,865 | 16 |
| 29 | 64,513 | 7 | 12,285 | 10 | 52,228 | 6 |
| 4 | 53,659 | - 5 | 50,944 | - 4 | 2,715 | -18 |
| 21 | 53,093 | -20 | 13,890 | -30 | 39,203 | -15 |
| 13 | 42,797 | 9 | 12,549 | 47 | 30,248 | - 1 |
| 22 | 41,594 | -10 | 3,665 | -26 | 37,929 | - 8 |
| 5-7-8-9 | 33,686 | -23 | 18,178 | 5 | 15,508 | -41 |
| 10 | 30,396 | -17 | 12,334 | 15 | 18,062 | -30 |
| 18 | 27,193 | -12 | 17,626 | -20 | 9,567 | 11 |
| 12 | 26,000 | -14 | 5,715 | 14 | 20,285 | -19 |
| All Other | 183,402 | - 2 | 121,216 | 1 | 62,186 | - 9 |
| Total | 630,412 | - 7 | 327,616 | - 3 | 302,796 | -10 |

1/ - Tonnage includes petroleum and petroleum products moving on the trade route and lightered, offshore to smaller vessels.

2/ - Compared to Calendar Year 1982.

## Appendix E Table 2

## U.S. Oceanborne Foreign Trade
## Top Ten Trade Routes
## Liner Service
## Calendar Year 1983

Thousands of Long Tons

| Trade Route | Total Tons | Pct.[1] Change | Import Tons | Pct.[1] Change | Export Tons | Pct.[1] Change |
|---|---|---|---|---|---|---|
| 29 | 14,663 | 12 | 6,610 | 16 | 8,053 | 9 |
| 5-7-8-9 | 5,278 | 9 | 3,483 | 21 | 1,795 | - 8 |
| 12 | 5,268 | 19 | 2,992 | 19 | 2,276 | 18 |
| 21 | 3,456 | - 5 | 1,310 | - 7 | 2,146 | - 4 |
| 18 | 2,660 | -12 | 377 | 3 | 2,283 | -14 |
| 13 | 2,335 | 9 | 807 | 6 | 1,528 | 10 |
| 10 | 2,304 | 4 | 1,648 | 12 | 656 | -11 |
| 17 | 1,996 | - 6 | 1,020 | 2 | 976 | -13 |
| 11 | 1,977 | 22 | 892 | 28 | 1,085 | 17 |
| 19 | 1,702 | 30 | 320 | 33 | 1,382 | 29 |
| All Other | 15,136 | - 1 | 7,351 | 8 | 7,785 | -16 |
| Total | 56,775 | 4 | 26,810 | 12 | 29,965 | - 2 |

1/ - Compared to Calendar Year 1982.

## Appendix E Table 3

## U.S. Oceanborne Foreign Trade
## Top Ten Trade Routes
## Tanker Service
## Calendar Year 1983

Thousands of Long Tons

| Trade Route | Total Tons | Pct.[2] Change | Import[1] Tons | Pct.[2] Change | Export Tons | Pct.[2] Change |
|---|---|---|---|---|---|---|
| 19 | 54,427 | - 8 | 51,499 | - 6 | 2,928 | -30 |
| 4 | 45,362 | - 7 | 45,060 | - 7 | 302 | 27 |
| 3 | 20,823 | -15 | 20,162 | -10 | 661 | -68 |
| 18 | 18,070 | -22 | 17,125 | -21 | 945 | -35 |
| 17 | 15,118 | 45 | 12,465 | 38 | 2,653 | 89 |
| 21 | 15,102 | -52 | 11,300 | -30 | 3,802 | -75 |
| 5-7-8-9 | 13,832 | - 2 | 13,512 | 1 | 320 | -59 |
| 13 | 12,297 | 19 | 9,367 | 64 | 2,930 | -36 |
| 42 (14-2) | 10,289 | -20 | 9,666 | -23 | 623 | 252 |
| 10 | 9,706 | 5 | 9,594 | 12 | 112 | -82 |
| All Other | 40,927 | - 2 | 27,527 | - * | 13,400 | -11 |
| Total | 255,953 | -10 | 227,277 | - 5 | 28,676 | -36 |

[1] - Tonnage includes petroleum and petroleum products moving on the trade route and lightered, offshore to smaller vessels.

[2] - Compared to Calendar Year 1982.

## Appendix E Table 4

## U.S. Oceanborne Foreign Trade
## Top Ten Trade Routes
## Non-Liner Service
## Calendar Year 1983

Thousands of Long Tons

| Trade Route | Total Tons | Pct.1/ Change | Import Tons | Pct.1/ Change | Export Tons | Pct.1/ Change |
|---|---|---|---|---|---|---|
| 29 | 42,885 | 6 | 4,028 | 15 | 38,857 | 5 |
| 22 | 37,945 | -10 | 3,000 | -27 | 34,945 | - 8 |
| 21 | 34,536 | 11 | 1,281 | -40 | 33,255 | 15 |
| 13 | 28,167 | 6 | 2,376 | 14 | 25,791 | 5 |
| 12 | 20,332 | -20 | 2,497 | 10 | 17,835 | -22 |
| 10 | 18,384 | -27 | 1,091 | 67 | 17,293 | -30 |
| 19 | 17,949 | 4 | 7,394 | -24 | 10,555 | 40 |
| 5-7-8-9 | 14,574 | -41 | 1,182 | 15 | 13,392 | -44 |
| 89 | 8,424 | -15 | 5,877 | 16 | 2,547 | -47 |
| 81 | 7,570 | - 6 | 7,274 | - 6 | 296 | - 1 |
| All Other | 86,918 | 2 | 37,529 | 6 | 49,389 | - 1 |
| Total | 317,684 | - 5 | 73,529 | + * | 244,155 | - 7 |

1/ - Compared to Calendar Year 1982.

* - Less than 0.5 percent.

## Appendix F Table 1

## U.S. Oceanborne Foreign Trade by Coastal District Ranked by Total Tons All Services Calendar Year 1983

(Thousands of Long Tons)

| Coastal District | Total Tons | Pct. * Change | Import Tons | Pct. * Change | Export Tons | Pct. * Change |
|---|---|---|---|---|---|---|
| Gulf | 272,632 | - 8 | 125,385 | -12 | 147,247 | - 4 |
| North Atlantic | 180,063 | -12 | 116,988 | 1 | 63,075 | -29 |
| Pacific Northwest | 53,011 | 11 | 13,787 | 10 | 39,224 | 11 |
| California | 47,922 | 7 | 21,241 | 18 | 26,681 | - 1 |
| South Atlantic | 27,426 | 7 | 14,565 | 10 | 12,861 | 3 |
| Puerto Rico/Virgin Islands | 24,612 | -11 | 22,628 | - 8 | 1,984 | -36 |
| Great Lakes | 16,245 | -19 | 8,705 | 16 | 7,540 | -40 |
| Hawaii | 4,308 | 26 | 3,825 | 31 | 483 | - 4 |
| Alaska | 4,193 | - 5 | 492 | 8 | 3,701 | - 7 |
| Total | 630,412 | - 7 | 327,616 | - 3 | 302,796 | -10 |

* - Compared to Calendar Year 1982.

## Appendix F Table 2

## U.S. Oceanborne Foreign Trade
## by Coastal District
## Ranked by Total Tons
## Liner Service
## Calendar Year 1983

(Thousands of Long Tons)

| Coastal District | Total Tons | Pct.* Change | Import Tons | Pct.* Change | Export Tons | Pct.* Change |
|---|---|---|---|---|---|---|
| North Atlantic | 16,144 | - 3 | 10,989 | 14 | 5,155 | -26 |
| California | 13,032 | 6 | 6,539 | 16 | 6,493 | - 3 |
| Gulf | 11,789 | - 5 | 3,539 | - 6 | 8,250 | - 4 |
| South Atlantic | 8,172 | 27 | 2,870 | 24 | 5,302 | 28 |
| Pacific Northwest | 6,435 | 14 | 2,413 | 19 | 4,022 | 10 |
| Puerto Rico/Virgin Islands | 693 | 12 | 341 | 18 | 352 | 7 |
| Great Lakes | 305 | - 6 | 42 | -32 | 263 | -** |
| Hawaii | 118 | 16 | 73 | 6 | 45 | 36 |
| Alaska | 87 | 55 | 4 | 8 | 83 | 60 |
| Total | 56,775 | 4 | 26,810 | 12 | 29,965 | - 2 |

* - Compared to Calendar Year 1982.

** - Less than 0.5 percent.

## Appendix F Table 3

## U.S. Oceanborne Foreign Trade by Coastal District Ranked by Total Tons Tanker Service Calendar Year 1983

(Thousands of Long Tons)

| Coastal District | Total Tons | Pct.* Change | Import Tons | Pct.* Change | Export Tons | Pct.* Change |
|---|---|---|---|---|---|---|
| Gulf | 116,958 | -18 | 100,086 | -10 | 16,872 | -45 |
| North Atlantic | 87,598 | - 2 | 86,408 | - 2 | 1,190 | -39 |
| Puerto Rico/Virgin Islands | 20,827 | -15 | 20,166 | -10 | 661 | -68 |
| California | 15,070 | 17 | 8,493 | 24 | 6,577 | 10 |
| South Atlantic | 5,378 | -16 | 4,680 | - 6 | 698 | -49 |
| Pacific Northwest | 4,699 | - 4 | 3,788 | 7 | 911 | -32 |
| Hawaii | 3,921 | 29 | 3,515 | 35 | 406 | - 8 |
| Alaska | 1,369 | - 4 | 65 | -55 | 1,304 | 1 |
| Great Lakes | 133 | - 4 | 76 | 36 | 57 | -31 |
| Total | 255,953 | -10 | 227,277 | - 5 | 28,676 | -36 |

* - Compared to Calendar Year 1982.

## Appendix F Table 4

## U.S. Oceanborne Foreign Trade
## by Coastal District
## Ranked by Total Tons
## Non-Liner Service
## Calendar Year 1983

(Thousands of Long Tons)

| Coastal District | Total Tons | Pct. Change* | Import Tons | Pct. Change* | Export Tons | Pct. Change* |
|---|---|---|---|---|---|---|
| Gulf | 143,885 | 1 | 21,760 | -20 | 122,125 | 6 |
| North Atlantic | 76,321 | -22 | 19,591 | 7 | 56,730 | -29 |
| Pacific Northwest | 41,877 | 12 | 7,586 | 10 | 34,291 | 12 |
| California | 19,820 | 1 | 6,209 | 12 | 13,611 | - 3 |
| Great Lakes | 15,807 | -19 | 8,587 | 16 | 7,220 | -40 |
| South Atlantic | 13,876 | 7 | 7,015 | 19 | 6,861 | - 2 |
| Puerto Rico/Virgin Islands | 3,092 | 20 | 2,121 | 14 | 971 | 34 |
| Alaska | 2,737 | - 7 | 423 | 39 | 2,314 | -12 |
| Hawaii | 269 | - 8 | 237 | -10 | 32 | 3 |
| Total | 317,684 | - 5 | 73,529 | +** | 244,155 | - 7 |

* - Compared to Calendar Year 1982.

** - Less than 0.5 percent.

# Appendix G Table 1
## U.S. Oceanborne Foreign Trade
## Top Thirty U.S. Ports
## All Services
## Calendar Year 1983

Thousands of Long Tons

| Rank | U.S. Port | Total Tons | Pct. 1/ Change | Import Tons | Pct. 1/ Change | Export Tons | Pct. 1/ Change |
|---|---|---|---|---|---|---|---|
| 1 | New York | 46,306 | 10 | 41,496 | 12 | 4,810 | - 5 |
| 2 | Gramercy | 44,483 | -12 | 13,093 | -46 | 31,390 | 20 |
| 3 | Houston | 36,270 | -15 | 16,518 | -17 | 19,752 | -13 |
| 4 | Norfolk | 34,738 | -25 | 3,835 | 6 | 30,903 | -27 |
| 5 | New Orleans | 32,641 | -22 | 10,723 | -34 | 21,918 | -14 |
| 6 | Philadelphia | 19,804 | -13 | 15,985 | -11 | 3,819 | -21 |
| 7 | Baltimore | 19,299 | -29 | 8,428 | - 4 | 10,871 | -42 |
| 8 | Tampa | 18,570 | 22 | 3,892 | 26 | 14,678 | -21 |
| 9 | Long Beach | 17,913 | 1 | 7,018 | 7 | 10,895 | - 2 |
| 10 | Baton Rouge | 17,518 | -15 | 5,557 | -24 | 11,961 | -11 |
| 11 | Beaumont | 16,065 | 23 | 12,635 | 31 | 3,430 | - 1 |
| 12 | Corpus Christi | 15,233 | - 9 | 12,634 | -10 | 2,599 | - 5 |
| 13 | Texas City | 14,215 | - 4 | 13,635 | - 2 | 580 | -35 |
| 14 | Destrehan | 12,956 | - 7 | 67 | -65 | 12,889 | - 6 |
| 15 | Portland, Oregon | 12,854 | 10 | 1,691 | 2 | 11,163 | 12 |
| 16 | Newport News | 12,720 | -34 | 2,162 | -22 | 10,558 | -36 |
| 17 | Christiansted | 12,276 | -37 | 12,081 | -32 | 195 | -89 |
| 18 | Marcus Hook | 11,881 | + * | 11,744 | + * | 137 | 19 |
| 19 | Los Angeles | 10,900 | - 1 | 5,492 | 16 | 5,408 | -14 |
| 20 | Pascagoula | 9,679 | 49 | 9,541 | 90 | 138 | -91 |
| 21 | Tacoma | 8,133 | 14 | 1,940 | - 3 | 6,193 | 21 |
| 22 | Freeport | 8,031 | 5 | 7,514 | 11 | 517 | -40 |
| 23 | St. Rose | 8,005 | -23 | 649 | -44 | 7,356 | -20 |
| 24 | Port Arthur | 7,545 | -14 | 4,153 | -19 | 3,392 | - 6 |
| 25 | Savannah | 7,373 | - 3 | 3,681 | 9 | 3,692 | -12 |
| 26 | Galveston | 7,335 | 3 | 909 | -49 | 6,426 | 20 |
| 27 | Paulsboro | 6,415 | -23 | 6,180 | -24 | 235 | 14 |
| 28 | Wilmington, Delaware | 6,307 | - 7 | 6,259 | - 2 | 48 | -88 |
| 29 | Mobile | 6,099 | -40 | 1,892 | -48 | 4,207 | -35 |
| 30 | Seattle | 3,964 | -42 | 1,759 | -47 | 2,205 | -37 |
|  | All Other Ports | 302,063 | - 1 | 172,559 | - 1 | 129,504 | - * |
|  | Total | 630,412 | - 7 | 327,616 | - 3 | 302,796 | -10 |

* - Less than 0.5 percent.

1/- Compared to Calendar Year 1982.

## Appendix G Table 2
## U.S. Oceanborne Foreign Trade
## Top Thirty U.S. Ports
## Liner Service
## Calendar Year 1983

Thousands of Long Tons

| Rank | U.S. Port | Total Tons | Pct. 1/ Change | Import Tons | Pct. 1/ Change | Export Tons | Pct. 1/ Change |
|---|---|---|---|---|---|---|---|
| 1 | New York | 9,640 | 6 | 6,752 | 15 | 2,888 | -11 |
| 2 | Long Beach | 5,017 | 18 | 2,778 | 28 | 2,239 | 9 |
| 3 | New Orleans | 4,172 | 1 | 1,547 | 5 | 2,625 | - 2 |
| 4 | Seattle | 3,964 | 15 | 1,759 | 13 | 2,205 | 16 |
| 5 | Los Angeles | 3,795 | 8 | 2,164 | 15 | 1,631 | 1 |
| 6 | Houston | 3,753 | -12 | 1,142 | -18 | 2,611 | - 9 |
| 7 | Baltimore | 3,386 | 1 | 1,604 | 14 | 1,782 | - 8 |
| 8 | Oakland | 3,156 | - 7 | 1,101 | 1 | 2,055 | -11 |
| 9 | Charleston | 2,199 | 30 | 792 | 49 | 1,407 | 22 |
| 10 | Savannah | 2,125 | 17 | 836 | 21 | 1,289 | 15 |
| 11 | Norfolk | 1,582 | - 1 | 799 | 14 | 783 | -13 |
| 12 | Philadelphia | 1,155 | - 2 | 860 | 6 | 295 | -19 |
| 13 | Galveston | 1,133 | 17 | 352 | 4 | 781 | 25 |
| 14 | Miami | 1,102 | -18 | 502 | 24 | 600 | -36 |
| 15 | Portland, Oregon | 964 | 23 | 207 | 82 | 757 | 13 |
| 16 | San Juan | 609 | 10 | 297 | 23 | 312 | + * |
| 17 | Jacksonville | 606 | 12 | 265 | 13 | 341 | 11 |
| 18 | San Francisco | 575 | -16 | 267 | - 9 | 308 | -21 |
| 19 | Tacoma | 552 | -16 | 395 | 17 | 157 | -51 |
| 20 | Wilmington, North Carolina | 528 | - 5 | 167 | - * | 361 | - 7 |
| 21 | Longview | 523 | 40 | 32 | 2/ | 491 | 32 |
| 22 | Mobile | 437 | -13 | 130 | 15 | 307 | -21 |
| 23 | Boston | 383 | 3 | 288 | 14 | 95 | -21 |
| 24 | Port Everglades | 331 | 20 | 274 | 13 | 57 | 73 |
| 25 | Gramercy | 279 | 37 | 8 | -47 | 271 | 44 |
| 26 | Baton Rouge | 276 | - 1 | 74 | 4 | 202 | - 3 |
| 27 | Coos Bay | 262 | -22 | 3 | -97 | 259 | 18 |
| 28 | Newport News | 226 | -32 | 111 | -35 | 115 | -28 |
| 29 | Tampa | 201 | -24 | 90 | 45 | 111 | -45 |
| 30 | Destrahan | 186 | -61 | 28 | -84 | 158 | -47 |
|  | All Other Ports | 4,809 | - 2 | 1,492 | - 2 | 3,317 | - 2 |
|  | Total | 56,775 | 4 | 26,810 | 13 | 29,965 | - 2 |

* - Less than 0.5 percent.

1/- Compared to Calendar Year 1982.

2/- Percent Change over 1,000 Percent.

## Appendix G Table 3
## U.S. Oceanborne Foreign Trade
## Top Thirty U.S. Ports
## Tanker Service
## Calendar Year 1983

Thousands of Long Tons

| Rank | U.S. Port | Total Tons | Pct. 1/ Change | Import Tons | Pct. 1/ Change | Export Tons | Pct. 1/ Change |
|---|---|---|---|---|---|---|---|
| 1 | New York | 31,095 | 10 | 30,666 | 10 | 429 | 19 |
| 2 | Houston | 18,813 | - 5 | 12,747 | - 2 | 6,066 | - 11 |
| 3 | Texas City | 14,215 | - 2 | 13,635 | - 2 | 580 | - 9 |
| 4 | Beaumont | 12,879 | 25 | 12,595 | 31 | 284 | - 61 |
| 5 | Corpus Christi | 12,441 | 9 | 11,391 | 10 | 1,050 | - 5 |
| 6 | Christiansted | 12,276 | -32 | 12,081 | -27 | 195 | -87 |
| 7 | Marcus Hook | 11,881 | + * | 11,744 | + * | 137 | 19 |
| 8 | Philadelphia | 11,800 | -10 | 11,713 | -11 | 87 | 67 |
| 9 | Gramercy | 11,686 | -57 | 10,349 | -55 | 1,337 | - 68 |
| 10 | Pascagoula | 9,679 | 78 | 9,541 | 90 | 138 | - 68 |
| 11 | Freeport | 8,031 | 9 | 7,514 | 12 | 517 | - 28 |
| 12 | Lake Charles | 6,688 | 117 | 6,073 | 128 | 615 | 48 |
| 13 | New Orleans | 6,489 | -53 | 5,235 | -51 | 1,254 | - 61 |
| 14 | Paulsboro | 6,415 | -22 | 6,180 | -24 | 235 | 64 |
| 15 | Wilmington, Delaware | 6,313 | 11 | 6,265 | 12 | 48 | - 38 |
| 16 | Port Arthur | 5,032 | -19 | 4,138 | -19 | 894 | - 23 |
| 17 | Portland, Maine | 4,360 | -31 | 4,287 | -32 | 73 | 2/ |
| 18 | Baton Rouge | 4,191 | -43 | 2,219 | -45 | 1,972 | - 40 |
| 19 | Boston | 3,892 | 14 | 3,892 | 14 | 0 | -100 |
| 20 | Honolulu | 3,843 | 28 | 3,500 | 35 | 343 | - 17 |
| 21 | Long Beach | 3,302 | -32 | 1,346 | -31 | 1,956 | - 32 |
| 22 | Los Angeles | 3,098 | + * | 1,898 | 21 | 1,200 | - 22 |
| 23 | San Juan, Puerto Rico | 2,418 | 27 | 2,394 | 31 | 24 | - 64 |
| 24 | Anacortes | 2,378 | 2 | 2,241 | + * | 137 | 56 |
| 25 | Newport News | 2,019 | -22 | 2,019 | -22 | 0 | N/A |
| 26 | Tampa | 1,894 | -10 | 1,556 | 28 | 338 | - 62 |
| 27 | St. Rose | 1,584 | -39 | 607 | -41 | 977 | - 38 |
| 28 | Norfolk | 1,568 | -35 | 1,476 | 2 | 92 | - 90 |
| 29 | Savannah | 1,522 | - 1 | 1,405 | - 2 | 117 | 10 |
| 30 | Good Hope | 1,478 | -76 | 1,060 | -68 | 418 | - 85 |
|  | All Other Ports | 40,719 | -11 | 31,614 | 3 | 9,105 | - 39 |
|  | Total | 255,953 | -10 | 227,277 | - 5 | 28,676 | - 36 |

* - Less than 0.5 percent.

1/- Compared to Calendar Year 1982.

2/- Percent Change over 1,000 Percent.

## Appendix G Table 4
## U.S. Oceanborne Foreign Trade
## Top Thirty U.S. Ports
## Non-Liner Service
## Calendar Year 1983

Thousands of Long Tons

| Rank | U.S. Port | Total Tons | Pct. 1/ Change | Import Tons | Pct. 1/ Change | Export Tons | Pct. 1/ Change |
|---|---|---|---|---|---|---|---|
| 1 | Gramercy | 32,518 | 39 | 2,736 | 75 | 29,782 | 37 |
| 2 | Norfolk | 31,588 | -25 | 1,560 | 7 | 30,028 | -26 |
| 3 | New Orleans | 21,980 | - 8 | 3,941 | - 5 | 18,039 | - 8 |
| 4 | Tampa | 16,475 | 28 | 2,246 | 24 | 14,229 | 29 |
| 5 | Baltimore | 14,620 | -33 | 5,600 | 2 | 9,020 | -45 |
| 6 | Houston | 13,704 | -25 | 2,629 | -51 | 11,075 | -15 |
| 7 | Baton Rouge | 13,051 | - * | 3,264 | 2 | 9,787 | - 1 |
| 8 | Destrehan | 12,770 | 10 | 39 | 225 | 12,731 | 10 |
| 9 | Portland, Oregon | 11,890 | 17 | 1,484 | 15 | 10,406 | 17 |
| 10 | Newport News | 10,475 | -36 | 32 | - * | 10,443 | -36 |
| 11 | Long Beach | 9,594 | 11 | 2,894 | 18 | 6,700 | 9 |
| 12 | Tacoma | 7,581 | 25 | 1,545 | 10 | 6,036 | 29 |
| 13 | Philadelphia | 6,849 | -19 | 3,412 | -14 | 3,437 | -22 |
| 14 | St. Rose | 6,421 | -16 | 42 | -53 | 6,379 | -16 |
| 15 | Galveston | 6,202 | 19 | 557 | -29 | 5,645 | 28 |
| 16 | Mobile | 5,662 | -30 | 1,762 | -17 | 3,900 | -35 |
| 17 | New York | 5,571 | 18 | 4,078 | 25 | 1,493 | 4 |
| 18 | Longview | 5,327 | 14 | 533 | 3 | 4,794 | 16 |
| 19 | Los Angeles | 4,007 | - 9 | 1,430 | 10 | 2,577 | -18 |
| 20 | Savannah | 3,726 | -12 | 1,440 | 16 | 2,286 | -23 |
| 21 | Seattle | 3,705 | 19 | 1,898 | 16 | 1,807 | 23 |
| 22 | Beaumont | 3,186 | 23 | 40 | 100 | 3,146 | 23 |
| 23 | Coos Bay | 3,052 | - 6 | 2 | - * | 3,050 | - 6 |
| 24 | Aberdeen-Hoquia | 2,909 | 11 | 4 | 33 | 2,905 | 11 |
| 25 | Corpus Christi | 2,792 | -47 | 1,243 | -66 | 1,549 | - 4 |
| 26 | Jacksonville | 2,585 | 42 | 1,354 | 32 | 1,231 | 55 |
| 27 | Superior | 2,543 | + * | 0 | N/A | 2,543 | + * |
| 28 | Port Arthur | 2,513 | 3 | 15 | -74 | 2,498 | 5 |
| 29 | Port Lavaca | 2,445 | -26 | 2,341 | -27 | 104 | 4 |
| 30 | Charleston, South Carolina | 1,786 | 4 | 925 | 13 | 861 | - 5 |
|  | All Other Ports | 97,339 | 6 | 33,097 | 4 | 64,242 | 7 |
|  | Total | 317,684 | - 5 | 73,529 | - * | 244,155 | - 7 |

* - Less than 0.5 Percent.

1/- Compared to Calendar Year 1982.

## Appendix H, Table 1

### U.S. Oceanborne Foreign Trade
### Top Thirty Countries [2/]
### All Services
### Calendar Year 1983
### (Thousands of Long Tons)

| Rank | Country | Total Tons | Pct.[1/] Change | Import Tons | Pct.[1/] Change | Export Tons | Pct.[1/] Change |
|---|---|---|---|---|---|---|---|
| 1 | Japan | 80,251 | - 5 | 10,804 | - 5 | 69,447 | - 6 |
| 2 | Mexico | 45,823 | 7 | 38,503 | 8 | 7,320 | 2 |
| 3 | Netherlands | 32,113 | - 8 | 6,119 | 27 | 25,994 | -13 |
| 4 | Venezuela | 31,334 | - 6 | 26,809 | 6 | 4,525 | - 3 |
| 5 | Canada | 29,067 | - 2 | 22,556 | 8 | 6,511 | -26 |
| 6 | United Kingdom | 25,780 | -24 | 20,683 | -23 | 5,097 | -27 |
| 7 | Netherlands Antilles | 19,715 | -22 | 18,516 | -24 | 1,199 | 54 |
| 8 | Bahamas | 19,178 | -10 | 18,279 | - 6 | 899 | -47 |
| 9 | Republic of Korea | 18,849 | 6 | 2,629 | 35 | 16,220 | 2 |
| 10 | Indonesia | 18,739 | 46 | 16,339 | 58 | 2,400 | - 3 |
| 11 | Italy | 16,112 | -20 | 2,654 | -10 | 13,458 | -21 |
| 12 | Algeria | 15,329 | 43 | 13,623 | 53 | 1,706 | - 3 |
| 13 | Brazil | 15,014 | 4 | 8,278 | 20 | 6,736 | -11 |
| 14 | Belgium | 14,929 | -27 | 3,824 | 4 | 11,105 | -34 |
| 15 | Republic of China | 14,778 | 28 | 3,304 | 34 | 11,474 | 27 |
| 16 | Spain | 13,608 | -21 | 3,039 | 52 | 10,569 | -31 |
| 17 | Saudi Arabia | 12,989 | -28 | 10,755 | -30 | 2,234 | -13 |
| 18 | People's Rep. of China | 11,262 | -28 | 2,764 | -14 | 8,498 | -32 |
| 19 | Nigeria | 10,827 | -41 | 8,897 | -65 | 1,930 | -18 |
| 20 | West Germany | 9,337 | -28 | 2,918 | -12 | 6,419 | -34 |
| 21 | France | 9,223 | -32 | 2,112 | 18 | 7,111 | -40 |
| 22 | Trinidad/Tobago | 9,145 | -14 | 8,276 | -16 | 869 | 8 |
| 23 | U.S.S.R. | 8,407 | - 9 | 870 | 30 | 7,537 | -12 |
| 24 | India | 8,186 | 50 | 3,239 | 90 | 4,947 | 31 |
| 25 | Australia | 7,151 | 3 | 4,459 | - 4 | 2,692 | 18 |
| 26 | Egypt | 6,852 | 8 | 932 | -43 | 5,920 | 26 |
| 27 | Ecuador | 6,141 | 36 | 5,041 | 42 | 1,100 | 15 |
| 28 | Jamaica | 4,947 | -20 | 3,798 | -27 | 1,149 | 20 |
| 29 | Peru | 4,883 | 7 | 2,833 | 9 | 2,050 | 4 |
| 30 | Singapore | 4,399 | 36 | 1,103 | 12 | 3,296 | 42 |
|  | All Other Countries | 106,044 | - 2 | 53,660 | - 3 | 52,384 | - 2 |
|  | Total | 630,412 | - 7 | 327,616 | - 3 | 302,796 | -10 |

1/ - Compared to Calendar Year 1982.

2/ - Country of loading/unloading.

## Appendix H, Table 2

### U.S. Oceanborne Foreign Trade
### Top Thirty Countries 2/
### Liner Service
### Calendar Year 1983
### (Thousands of Long Tons)

| Rank | Country | Total Tons | Pct. 1/ Change | Import Tons | Pct. 1/ Change | Export Tons | Pct. 1/ Change |
|---|---|---|---|---|---|---|---|
| 1 | Japan | 9,371 | 6 | 4,294 | 5 | 5,077 | 7 |
| 2 | Republic of China | 4,967 | 30 | 2,737 | 36 | 2,230 | 23 |
| 3 | Netherlands | 3,984 | 3 | 1,767 | 9 | 2,217 | - 1 |
| 4 | West Germany | 2,892 | 10 | 1,855 | 12 | 1,037 | 5 |
| 5 | Republic of Korea | 2,531 | 17 | 1,036 | 31 | 1,495 | 9 |
| 6 | Hong Kong | 2,388 | 10 | 1,112 | 12 | 1,276 | 8 |
| 7 | Italy | 1,945 | 5 | 1,384 | 7 | 561 | - * |
| 8 | United Kingdom | 1,929 | 3 | 925 | 15 | 1,004 | - 5 |
| 9 | Belgium | 1,701 | 13 | 878 | 24 | 823 | 3 |
| 10 | Brazil | 1,637 | 1 | 1,334 | 8 | 303 | -22 |
| 11 | Saudi Arabia | 1,346 | -12 | 4 | 300 | 1,342 | -12 |
| 12 | France | 1,321 | 6 | 935 | 19 | 386 | -15 |
| 13 | Australia | 1,310 | - 5 | 556 | - 2 | 754 | - 7 |
| 14 | Singapore | 1,050 | 5 | 519 | 12 | 531 | - 1 |
| 15 | Spain | 928 | 5 | 629 | 18 | 299 | -14 |
| 16 | South Africa | 850 | -10 | 371 | -21 | 479 | - * |
| 17 | Egypt | 841 | 24 | 15 | 7 | 826 | 24 |
| 18 | Indonesia | 796 | -11 | 395 | - 4 | 401 | -16 |
| 19 | India | 678 | -10 | 210 | -11 | 468 | -10 |
| 20 | Venezuela | 616 | -46 | 74 | 164 | 542 | -51 |
| 21 | Argentina | 601 | + * | 332 | 25 | 269 | -19 |
| 22 | Peru | 597 | 11 | 249 | 23 | 348 | 4 |
| 23 | Nigeria | 558 | -24 | 18 | 28 | 540 | -25 |
| 24 | Sweden | 540 | 4 | 375 | 32 | 165 | -30 |
| 25 | Mexico | 535 | 410 | 81 | 32 | 454 | 398 |
| 26 | Philippines | 526 | -16 | 280 | 6 | 246 | -25 |
| 27 | Chile | 507 | - 9 | 303 | - 8 | 204 | -10 |
| 28 | Colombia | 450 | - 7 | 168 | 14 | 282 | -16 |
| 29 | Ecuador | 443 | -22 | 309 | - 9 | 134 | -41 |
| 30 | People's Republic of China | 442 | 5 | 230 | 19 | 212 | - 6 |
|  | All Other Countries | 8,495 | - 1 | 3,435 | 14 | 5,060 | - 9 |
|  | Total | 56,775 | 4 | 26,810 | 12 | 29,965 | - 2 |

1/ - Compared to Calendar Year 1982.

2/ - Country of loading/unloading.

* - Less than 0.5 percent.

## Appendix H, Table 3

### U.S. Oceanborne Foreign Trade
### Top Thirty Countries [2]
### Tanker Service
### Calendar Year 1983
### (Thousands of Long Tons)

| Rank | Country | Total Tons | Pct. Change [1] | Import Tons | Pct. Change [1] | Export Tons | Pct. Change [1] |
|---|---|---|---|---|---|---|---|
| 1 | Mexico | 35,728 | - 2 | 35,106 | 6 | 622 | -80 |
| 2 | Venezuela | 25,338 | - 7 | 24,836 | - 7 | 502 | 3 |
| 3 | United Kingdom | 20,059 | -26 | 19,355 | -24 | 704 | -48 |
| 4 | Netherlands Antilles | 19,184 | -23 | 18,222 | -25 | 962 | 91 |
| 5 | Indonesia | 15,702 | 59 | 15,511 | 58 | 191 | 84 |
| 6 | Bahamas | 15,610 | -11 | 15,257 | - 6 | 353 | -74 |
| 7 | Algeria | 13,667 | 53 | 13,609 | 53 | 58 | 57 |
| 8 | Saudi Arabia | 10,762 | -30 | 10,750 | -30 | 12 | -20 |
| 9 | Nigeria | 9,122 | -44 | 8,878 | -44 | 244 | 24 |
| 10 | Trinidad/Tobago | 8,141 | -15 | 7,991 | -17 | 150 | 436 |
| 11 | Netherlands | 6,682 | -49 | 3,818 | 49 | 2,864 | -73 |
| 12 | Japan | 5,041 | 16 | 199 | -16 | 4,842 | 18 |
| 13 | Ecuador | 4,829 | 66 | 4,347 | 60 | 482 | 146 |
| 14 | Angola | 4,285 | 70 | 4,271 | 72 | 14 | -36 |
| 15 | Congo | 3,504 | 21 | 3,504 | 21 | 0 | 0 |
| 16 | Brazil | 3,353 | - 2 | 3,136 | 9 | 217 | -62 |
| 17 | India | 3,245 | 48 | 2,977 | 134 | 268 | -71 |
| 18 | Singapore | 3,007 | 60 | 529 | 4 | 2,478 | 80 |
| 19 | Canada | 2,782 | 2 | 1,840 | - 2 | 942 | 10 |
| 20 | Gabon | 2,643 | 11 | 2,643 | 11 | 0 | 0 |
| 21 | Peru | 2,575 | 48 | 2,332 | 13 | 243 | 156 |
| 22 | Iran | 2,462 | 77 | 2,462 | 77 | 0 | 0 |
| 23 | Tunisia | 1,958 | + * | 1,952 | 1 | 6 | -81 |
| 24 | United Arab Emirates | 1,859 | -68 | 1,856 | -68 | 3 | 50 |
| 25 | Italy | 1,790 | -17 | 889 | -15 | 901 | -19 |
| 26 | People's Republic of China | 1,716 | -22 | 1,690 | -20 | 26 | -69 |
| 27 | Belgium | 1,539 | -49 | 1,117 | 13 | 422 | -79 |
| 28 | South Korea | 1,371 | -47 | 14 | -91 | 1,357 | -44 |
| 29 | Egypt | 1,270 | -48 | 916 | -44 | 354 | -55 |
| 30 | Colombia | 1,247 | 50 | 955 | 93 | 292 | -13 |
|  | All Other Countries | 25,482 | -13 | 16,315 | - 4 | 9,167 | -25 |
|  | Total | 255,953 | -10 | 227,277 | - 5 | 28,676 | -36 |

[1] - Compared to Calendar Year 1982.

[2] - Country of loading/unloading.

* - Less than 0.5 percent.

## Appendix H, Table 4

## U.S. Oceanborne Foreign Trade
## Top Thirty Countries [2]
## Non-Liner Service
## Calendar Year 1983

| Rank | Country | Total Tons | Pct.[1] Change | Import Tons | Pct.[1] Change | Export Tons | Pct.[1] Change |
|---|---|---|---|---|---|---|---|
| 1 | Japan | 65,839 | - 8 | 6,311 | -10 | 59,528 | - 8 |
| 2 | Canada | 26,006 | - 3 | 20,503 | 8 | 5,503 | -30 |
| 3 | Netherlands | 21,447 | 21 | 534 | -15 | 20,913 | 22 |
| 4 | Republic of Korea | 14,947 | 15 | 1,579 | 58 | 13,368 | 11 |
| 5 | Italy | 12,377 | -23 | 381 | -39 | 11,996 | -22 |
| 6 | Belgium | 11,689 | -26 | 1,829 | - 8 | 9,860 | -29 |
| 7 | Spain | 11,582 | -20 | 2,113 | 79 | 9,469 | -29 |
| 8 | Brazil | 10,069 | 7 | 3,808 | 37 | 6,261 | - 5 |
| 9 | Mexico | 9,560 | 51 | 3,316 | 40 | 6,244 | 58 |
| 10 | People's Republic of China | 9,104 | -30 | 844 | - 8 | 8,260 | -32 |
| 11 | Republic of China | 8,551 | 26 | 513 | 28 | 8,038 | 26 |
| 12 | U.S.S.R. | 7,336 | - 4 | 371 | 202 | 6,965 | - 8 |
| 13 | France | 6,841 | -36 | 625 | - 3 | 6,216 | -39 |
| 14 | West Germany | 6,038 | -31 | 754 | -43 | 5,284 | -28 |
| 15 | Venezuela | 5,380 | 11 | 1,899 | 6 | 3,481 | 14 |
| 16 | Australia | 4,997 | 8 | 3,619 | - 2 | 1,378 | 48 |
| 17 | Egypt | 4,741 | 46 | 1 | N/A | 4,740 | 45 |
| 18 | India | 4,263 | 70 | 52 | -73 | 4,211 | 81 |
| 19 | Jamaica | 4,188 | -23 | 3,751 | -26 | 437 | 26 |
| 20 | Portugal | 4,100 | + * | 30 | -43 | 4,070 | 1 |
| 21 | United Kingdom | 3,792 | -26 | 403 | -28 | 3,389 | -26 |
| 22 | Senegal | 3,478 | -16 | 3,400 | -17 | 78 | 160 |
| 23 | Bahamas | 3,420 | - 2 | 3,018 | - 7 | 402 | 147 |
| 24 | South Africa | 2,604 | 24 | 1,232 | -17 | 1,372 | 124 |
| 25 | Turkey | 2,469 | 71 | 109 | 30 | 2,360 | 2 |
| 26 | Chile | 2,454 | - 2 | 800 | -19 | 1,654 | 8 |
| 27 | Israel | 2,353 | - 3 | 510 | - 9 | 1,843 | - 1 |
| 28 | Sweden | 2,281 | -14 | 469 | 17 | 1,812 | -19 |
| 29 | Indonesia | 2,241 | 11 | 433 | 246 | 1,808 | - 4 |
| 30 | Colombia | 2,102 | 21 | 851 | 88 | 1,251 | - 2 |
|  | All Other Countries | 41,435 | - 6 | 9,471 | - 12 | 31,964 | - 4 |
|  | Total | 317,684 | - 5 | 73,529 | - * | 244,155 | - 7 |

1/ - Compared to Calendar Year 1982.

2/ - Country of loading/unloading.

* - Less than 0.5 percent.

## Appendix I

The Continental U.S./Caribbean Trade includes oceanborne cargo transported between Continental U.S. ports and Caribbean ports located on the Central and South American mainlands, from the northern border of Mexico to the southern border of French Guiana, inclusive, the islands of the Gulf of Mexico and Caribbean Sea, the West Indies, and the Bahamas.

### Table 1
### U.S. Oceanborne Foreign Trade Between the U.S. and the Caribbean

Calendar Year 1983*

| | (Thousands of Long Tons) | | | (Millions of Dollars) | | |
|---|---|---|---|---|---|---|
| | Total Tonnage | Import Tonnage | Export Tonnage | Total Value | Import Value | Export Value |
| Liner | 4,089 | 1,024 | 3,065 | 7,132 | 1,731 | 5,401 |
| Non-Liner | 25,966 | 13,707 | 12,259 | 5,889 | 1,792 | 4,097 |
| Tanker | 109,588 | 105,610 | 3,978 | 24,211 | 23,122 | 1,089 |
| Total | 139,643 | 120,341 | 19,302 | 37,232 | 26,645 | 10,587 |

* - Based upon foreign port of loading and foreign port of discharge; does not consider the country of origin or the country of ultimate destination.

## U.S./Mediterranean Trade

Appendix I

The U.S./Mediterranean Trade includes oceanborne cargo transported between Continental U.S. ports and ports located in Portugal, Spain (South of Portugal), the Azores, Atlantic Morocco and the Mediterranean Sea (including the Adriatic Sea, Aegean Sea, Black Sea, and other seas which a [illegible] e Mediterranean.

### Table 2
### U.S. Oceanborne Foreign Trade Between the U.S. and the Mediterranean

Calendar Year 1983*

| | (Thousands of Tons) Total Tonnage | Import Tonnage | Export Tonnage | (Millions of Dollars) Total Value | Import Value | Export Value |
|---|---|---|---|---|---|---|
| Liner | 5,157 | 2,701 | 2,456 | 9,274 | 4,879 | 4,395 |
| Non-Liner | 49,906 | 3,682 | 46,224 | 6,771 | 520 | 6,251 |
| Tanker | 22,493 | 19,349 | 3,144 | 5,327 | 4,426 | 901 |
| Total | 77,556 | 25,732 | 51,824 | 21,372 | 9,825 | 11,547 |

* - Based upon foreign port of loading and foreign port of discharge; does not consider the country of origin or the country of ultimate destination.

## U.S./Far East Trade

Appendix I

The U.S./Far East Trade includes oceanborne cargo transported between ports of the Continental U.S., Hawaii and Alaska, and ports located in Japan, Taiwan, the Phillipines, and the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive.

### Table 3
### U.S. Oceanborne Foreign Trade Between the U.S. and the Far East

Calendar Year 1983*

| | (Thousands of Long Tons) | | | (Millions of Dollars) | | |
|---|---|---|---|---|---|---|
| | Total Tonnage | Import Tonnage | Export Tonnage | Total Value | Import Value | Export Value |
| Liner | 20,596 | 9,842 | 10,754 | 61,143 | 44,969 | 16,174 |
| Non-Liner | 101,836 | 9,917 | 91,919 | 28,514 | 16,689 | 11,825 |
| Tanker | 10,513 | 2,407 | 8,106 | 3,076 | 724 | 2,352 |
| Total | 132,945 | 22,166 | 110,779 | 92,733 | 62,382 | 30,351 |

* - Based upon foreign port of loading and foreign port of discharge; does not consider the country of origin or the country of ultimate destination.

## U.S./United Kingdom, Continental Europe and Scandinavia Trade

The U.S./United Kingdom, Continental Europe and Scandinavia Trade includes oceanborne cargo transported between Continental U.S. ports, Hawaii and Alaska and ports located in the United Kingdom, Republic of Ireland, Continental Europe, Northern Spain, Scandinavia and Baltic ports.

### Table 4
### U.S. Oceanborne Foreign Trade Between the United States and the U.K. Continental Europe and Scandinavia Trade

Calendar Year 1983*

| | (Thousands of Long Tons) | | | (Millions of Dollars) | | |
|---|---|---|---|---|---|---|
| | Total Tonnage | Import Tonnage | Export Tonnage | Total Value | Import Value | Export Value |
| Liner | 12,994 | 7,131 | 5,863 | 33,989 | 18,339 | 15,650 |
| Non-Liner | 63,138 | 6,020 | 57,118 | 15,562 | 7,283 | 8,279 |
| Tanker | 31,351 | 26,174 | 5,177 | 7,107 | 5,451 | 1,656 |
| Total | 107,483 | 39,325 | 68,158 | 56,658 | 31,073 | 25,585 |

* - Based upon foreign port of loading and foreign port of discharge; does not consider the country of origin or the country of ultimate destination.

## U.S./Gulf of Aden through Indonesia Trade

The U.S./Gulf of Aden through Indonesia Trade includes oceanborne cargo transported between Continental U.S. ports and ports located in Burma, Ceylon, India, Pakistan, the Persian (Arabian) Gulf, Gulf of Aden, the Red Sea, Indonesia, Malaysia and Singapore.

Table 5
U.S. Oceanborne Foreign Trade
Between the U.S. and the Gulf of Aden through Indonesia

Calendar Year 1983*

| | (Thousands of Tons) | | | (Millions of Dollars) | | |
|---|---|---|---|---|---|---|
| | Total Tonnage | Import Tonnage | Export Tonnage | Total Value | Import Value | Export Value |
| Liner | 5,068 | 1,474 | 3,594 | 11,957 | 3,287 | 8,670 |
| Non-Liner | 12,642 | 634 | 12,008 | 3,690 | 321 | 3,369 |
| Tanker | 38,183 | 34,529 | 3,654 | 8,963 | 8,083 | 880 |
| Total | 55,893 | 36,637 | 19,256 | 24,610 | 11,691 | 12,919 |

* - Based upon foreign port of loading and foreign port of discharge; does not consider the country of origin or the country of ultimate destination.

# Appendix J

## U.S. Coastal Districts and Ports for U.S. Foreign Trade Statistics

Custom Districts and Port Codes are derived from Schedule D-U.S. Foreign Trade, June, 1982, published by the U.S. Department of Commerce, Bureau of Census.

Coastal District 1 - From the northern border of Maine to the Virginia/North Carolina border.

Coastal District 2 - From the Virginia/North Carolina border to the tip of Florida, but not including Key West, Florida.

Coastal District 3 - From the tip of Florida including Key West to the Texas/Mexico border.

Coastal District 4 - The Pacific Coast of California.

Coastal District 5 - The Pacific Coast of Oregon and Washington.

Coastal District 6 - All Great Lakes and St. Lawrence Seaway Coasts.

Coastal District 7 - All Hawaiian Coasts.

Coastal District 8 - All Alaskan Coasts.

Coastal District 9 - All Puerto Rican Coasts.

# Appendix K

## Trade Route and Port Code Description

The following lists the major ports of the world according to trade routes. The ports and corresponding codes are derived from Schedule K, Classification of Foreign Ports by Geographic Trade Area and Country 1979, published by the U.S. Department of Commerce, Bureau of Census.

T.R. 1 - Atlantic - East Coast South America
- Colombia - Amazon River Ports
- Iquitos, Peru
- Brazil
- Paraguay
- Uruguay
- Argentina
- Falkland Is.

T.R. 2 - Atlantic - West Coast South America
- Colombia (W.C.)
- Other Col. (W.C.)
- Ecuador
- Peru (excl. Iquitos)
- Chile

T.R. 4 - Atlantic - Caribbean (Incl. Cristobal and East Coast Mexico)
- East Coast Mexico
- Guatemala (Carib.)
- Belize (Carib.)
- Honduras (Carib.)
- Nicaragua (Carib.)
- Panama (Carib.)
- Bermuda
- Bahamas, W.I.
- Cuba, W.I.
- Jamaica, W.I.
- Turks and Caicos Is., W.I.
- Haiti, W.I.
- Dominican Republic, W.I.
- Leeward Is., W.I.
- Windward Is., W.I.

- Barbados, W.I.
- Trinidad, W.I.
- Tobago, W.I.
- Netherlands Antilles
- Guadaloupe
- Martinique

- Colombia (Carib.)
- Venezuela
- Guyaua
- Surinam
- French Guiana

T.R. 5 - North Atlantic - United Kingdom and Eire
- United Kingdom
- Ireland

T.R. 6 - North Atlantic - Scandinavia and Baltic Ports (Inc. Nfld., Greeland and Iceland)
- Greenland
- Newfoundland
- Iceland
- Sweden
- Norway
- Finland
- Denmark (Incl. Faros Is.)
- West Germany (Baltic)
- East Germany

Estonia
Latvia
Lithuania
Poland
U.S.S.R. (Arctic)
U.S.S.R. (Baltic)

T.R. 7 - North Atlantic - Germany (North Sea)
West Germany (Atl. Region)

T.R. 8 - North Atlantic - Netherlands and Belgium
Netherlands
Belgium

T.R. 9 - North Atlantic - Atlantic France & North Spain
France (Atl.)
Atl. Spain (North of Portugal)

T.R. 10 - North Atlantic - Mediterranean & Black Sea - Portugal & Southern Spain - Morocco - Azores
France (Medit.) Incl. Corsica & Monaco
U.S.S.R. (Black Sea)
Azores
Spain (Atl. - Southeast of Portugal)
Spain (Medit.)

Portugal (Atl.)
Gibraltar
Malta
Italy

Yugoslavia
Albania
Greece
Rumania
Bulgaria

Turkey
Cyprus
Syria
Lebanon
Israel (Medit.)

Morocco
Algeria
Tunisia
Libya
Egypt (Medit.)
Spanish Africa (Medit.) N.E.C.

T.R. 11 - South Atlantic - United Kingdom - Eire & Continental Europe, including No. Spain and Scandinavian, Baltic Ports
Same foreign ports as T.R. 5, 6 (excluding Newfoundland), 7, 8 and 9

T.R. 12 - Atlantic - Far East
U.S.S.R. (Eastern Region)
Thailand
Vietnam
Cambodia (Khmer Republic)
Philippine Islands
Macao (Port. Asia (China

People's Republic of China
North Korea
Republic of Korea

Hong Kong

Knowloon
Republic of China (Taiwan)
Japan

Caroline Islands
Mariana Islands (Saipan) (W. Pacific)
Marshall Islands
Palau Islands

T.R. 13 - South Atlantic/Gulf - Mediterranean, Black Sea, Portugal, So. Spain, Morocco, Azores
Same foreign ports as in T.R. 10

T.R. 16 - Atlantic & Gulf - Australia, New Zealand, New Guinea & South Sea Is.
Australia
Tasmania
Papua New Guinea
New Zealand
Cook Islands

Niue Island
Western Samoa
British W. Pacific Is.
French Pacific Is.
Fiji Islands
Nauru Island
Tonga Islands

T.R. 17 - U.S. Atlantic, Gulf, Pacific/Indonesia, Malaysia and Singapore
Malaysia
Singapore
Indonesia
Brunei
Southern Asia, N.E.C.

T.R. 18 - Atlantic & Gulf - India, Persian Gulf, Red Sea, Pakistan, and Burma
Iraq
Iran
Israel (Eilath)
Jordan
Kuwait
Saudi Arabia
Qatar

United Arab Emirates
Yemen (Sana)
Yemen (Aden)
Oman
Bahrain
India
Pakistan
Bangladesh

Ceylon
Burma

Egypt (Red Sea)
Sudan
Somalia
Ethiopia
Djibouti

T.R. 19 - Gulf - Caribbean (Incl. Cristobal & E.C. Mexico)
Same foreign ports as T.R. 4

T.R. 20 - Gulf - East Coast South America
Same foreign ports as T.R. 1

T.R. 21 - Gulf - United Kingdom, Eire, Continental Europe (Incl. No. Spain, Scandinavia and Baltic Ports)
Same foreign ports as T.R. 5, 6 (excluding Newfoundland), 7, 8 and 9

T.R. 22 - Gulf - Far East
Same foreign ports as T.R. 12

T.R. 23 - Pacific - Caribbean (Incl. Cristobal & E.C. Mexico)
Same foreign ports as T.R. 4

T.R. 24 - Pacific - East Coast South America
Same foreign ports as T.R. 1

T.R. 25 - Pacific - W.C. South America, Central America, Mexico and Balboa
- W.C. Mexico
- Guatemala (W.C.)
- El Salvadore
- Honduras (W.C.)
- Nicaragua (W.C.)

- Costa Rica (W.C.)
- Panama (W.C.)
- Colombia (W.C.)
- Ecuador
- Peru (excl. Iquitos)
- Chile

T.R. 26 - Pacific/Hawaii/Alaska - United Kingdom, Eire, Continental Europe, including No. Spain and Scandinavia and Baltic Ports
Same foreign ports as T.R. 5, 6 (excluding Newfoundland), 7, 8 and 9

T.R. 27 - Pacific, Hawaii - Australia, New Zealand, New Guinea & South Sea Island
Same foreign ports as T.R. 16

T.R. 28 - Pacific - Middle East (Burma, Ceylon, India, Pakistan, Persian Gulf, Gulf of Aden, Red Sea)
Same foreign ports as T.R. 18

T.R. 29 - Pacific, Hawaii, Alaska/Far East
Same foreign ports as T.R. 12

T.R. 31 - Gulf/West Coast South America
Same foreign ports as T.R. 2

T.R. 32 - Great Lakes/Europe
Same foreign ports as T.R. 5, 6, 7, 8 and 9 (excl. Newfoundland T.R. 89)

T.R. 33 - Great Lakes/Caribbean (Incl. E.C. Mexico and Cristobal)
Same foreign ports as T.R. 4

T.R. 34 - Great Lakes/Mediterranean
Same foreign ports as T.R. 10

T.R. 35 - Atlantic/Great Lakes Canada
(except Montreal)

T.R. 36 - Gulf/Great Lakes Canada
(except Montreal)

T.R. 37 - California/Great Lakes Canada
(except Montreal)

T.R. 38 - Washington, Oregon/Great Lakes Canada
(except Montreal)

T.R. 41 - Atlantic - West Africa, Canary, Cape Verde & Madeira Island

Canary Islands
Equatorial Guinea
Mauritania
Cameroon
Senegal
Guinea
Sierra Leone
Ivory Coast
Ghana

The Gambia
Togo
Nigeria
Gabon
Medeira

Benin
Angola
Congo (Brazzaville)
Cape Verde Island
Guinea-Bissau
Liberia
Zaire

T.R. 42 - Gulf - West Africa, Canary, Cape Verde & Madeira Island
Same foreign ports as T.R. 41

T.R. 43 - Pacific - West Africa, Canary, Cape Verde & Madeira Island
Same foreign ports as T.R. 41

T.R. 51 - Atlantic - South and East Africa & Malagasy Republic & British West Africa, St. Helena & Ascension Is.

St. Helena
Ascension Is.
Somalia
Kenya
Seychelles
Tanzania
Mauritius
Mozambique
Malagasy Republic
French India Ocean Reunion & Comoro Islands
Republic of South Africa
S.W. Africa

T.R. 52 - Gulf - South & East Africa - Malagasy Republic, British West Africa, St. Helena & Ascension Is.
Same foreign ports as T.R. 51

T.R. 53 - Pacific - South & East Africa - Malagasy Republic, British West Africa, St. Helena & Ascension Is.
Same foreign ports as T.R. 51

T.R. 54 - Great Lakes/West Africa
Same foreign ports as T.R. 41

T.R. 55 - Great Lakes/South & East Africa
Same foreign ports as T.R. 51

T.R. 56 - Great Lakes/Red Sea, India, Persian Gulf, Indonesia, Malaysia, Singapore
Same foreign ports as T.R. 17 and 18

T.R. 58 - Great Lakes/Pacific Canada

T.R. 59 - Great Lakes/Far East
Same foreign ports as T.R. 12

T.R. 60 - Great Lakes/Australia
Same foreign ports as T.R. 16

T.R. 61 - U.S. Great Lakes/Canada Great Lakes (Trans-Lakes)

T.R. 65 - Pacific - Mediterranean
Same foreign ports as T.R. 10

T.R. 71 - Atlantic/West Coast Central America & Mexico
Same foreign ports as T.R. 25 (except Canal Zone) and W.C. South America

T.R. 72 - Gulf/West Coast Central America & Mexico
Same foreign ports as T.R. 25 (except Canal Zone) and W.C. South America

T.R. 77 - Atlantic/Pacific Canal Zone

T.R. 78 - Gulf/Pacific Canal Zone

T.R. 80 - Great Lakes/West Coast Central America & Mexico
Same foreign ports as T.R. 25 (except Colombia, Ecuador, Peru and Chile)

T.R. 81 - Atlantic/Atlantic Canada
Montreal
Atlantic Canada
Newfoundland (So. Atlantic only)
Labrador

T.R. 82 - Gulf/Atlantic Canada
Same as T.R. 81

T.R. 83 - Pacific/Atlantic Canada
Same as T.R. 81

T.R. 84 - Great Lakes/East Coast South America
Same foreign ports as T.R. 1

T.R. 85 - Atlantic/Pacific Canada

T.R. 86 - Gulf/Pacific Canada

T.R. 87 - Pacific/Pacific Canada

T.R. 89 - Great Lakes/Atlantic Canada
Same as T.R. 81

T.R. 91 - Puerto Rico/Foreign

T.R. 92 - Hawaii/Foreign (except T.R. 26, 27 & 29)

T.R. 93 - Alaska/Foreign (except T.R. 26 & 29)

Trade Area I - U.S. Great Lakes/United Kingdom, Ireland, Continental Europe (North of Portugal, Scandinavia and Baltic Ports.
Same foreign ports as T.R. 5, 6, 7, 8 and 9)

Trade Area II - U.S. Great Lakes/West, South and East Africa
Same foreign ports as T.R. 41 and 51

Trade Area III - U.S. Great Lakes/Caribbean, East and West Coasts of South America
Same foreign ports as T.R. 1, 4 and 25 (excluding Central America & Mexico)

Trade Area IV - U.S. Great Lakes/Mediterranean & Black Sea, Portugal, Southern Spain, Morocco, Azores, India, Persian Gulf, Red Sea, Pakistan and Burma
Same foreign ports as T.R. 10 and 18

Trade Area V - U.S. Great Lakes/Far East, Indonesia, Malaysia, Singapore, Australia and New Zealand
Same foreign ports as T.R. 12, 16, 17 and 18

# Appendix L

## ESSENTIAL TRADE ROUTES, TRADE AREAS, AND SERVICES

Pursuant to Section 211 of the Merchant Marine Act of 1936, as amended, the following trade routes, trade areas, and services have been determined to be essential for the promotion, development, expansion, and maintenance of the foreign commerce of the United States:

| Trade Route No. | Description |
|---|---|
| 1 | U. S. Atlantic/East Coast South America. Between U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) and ports in Brazil, Paraguay, Uruguay, Argentina, and Falkland Islands. |
| 2 | U. S. Atlantic/West Coast South America. Between U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) and ports in Pacific Coast Colombia, Ecuador, Peru, and Chile. |
| 4 | U. S. Atlantic/Caribbean. Between U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West)and ports in the Gulf of Mexico and Caribbean Sea (Mexico-French Guiana, inclusive), all islands of the Caribbean and West Indies (except Puerto Rico), the Bahama Islands, and Bermuda. |
| 5-7-8-9 | U. S. North Atlantic/Western Europe. Between U. S. North Atlantic ports (Maine-Virgina, inclusive) and ports in the United Kingdom, Republic of Ireland, and Continental Europe (Germany south of Denmark to northern border of Portugal). |
| 6 | U. S. North Atlantic/Scandinavia and Baltic. Between U. S. North Atlantic ports (Maine-Virginia, inclusive) and ports in Scandinavian and Baltic ports and Iceland, Greenland, and Newfoundland. |
| 10 | U. S. North Atlantic/Mediterranean. Between U. S. North Atlantic ports (Maine-Virginia, inclusive) and ports in Portugal, Southern Spain, Azores, Atlantic Morocco, and the Mediterranean Sea (including the Adriatic Sea, Aegean Sea, Black Sea, and other seas which are arms of the Mediterranean). |
| 11 | U. S. South Atlantic/Western Europe. Between U. S. South Atlantic ports (North Carolina-Atlantic Coast Florida to but not including Key West) and ports in the United Kingdom, Republic of Ireland, and Continental Europe north of Portugal. |

| Trade Route No. | Description |
|---|---|
| 12 | U. S. Atlantic/Far East. Between U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) and ports in Japan, Taiwan, Philippines, and the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive. |
| 13 | U. S. South Atlantic and Gulf/Mediterranean. Between U. S. South Atlantic and Gulf ports (North Carolina-Texas, inclusive) and ports in Portugal, Spain south of Portugal, Atlantic Morocco, and the Mediterranean Sea (including the Adriatic Sea, Aegean Sea, Black Sea, and other seas which are arms of the Mediterranean). |
| 14-1 (41) | U. S. Atlantic and West Africa. Between U. S. Atlantic and ports on the West Coast of Africa from the southern border of Morocco to the southern border of Angola including Madeira, Canary, Cape Verde, and other islands adjacent to the West Africa Coast. |
| 14-2 (42) | U. S. Gulf and West Africa. Between U. S. Gulf and ports on the West Coast of Africa from the southern border of Morocco to the southern border of Angola, including Madeira, Canary, Cape Verde, and other islands adjacent to the West African Coast. |
| 15-A (51) | U. S. Atlantic/South and East Africa. Between U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) and ports in South and East Africa from the southern border of Angola to Cape Guardaful in the Somali Republic, including the Islands of Ascension and St. Helena in the South Atlantic, the Malagasy Republic, and adjacent islands in the India Ocean not east of 60° East Longitude. |
| 15-B (52) | U. S. Gulf/South and East Africa. Between U. S. Gulf ports (Key West-Texas, inclusive) and ports in South and East Africa from the southern border of Angola to Cape Guardaful in the Somali Republic, including the Islands of Ascension and St. Helena in the South Atlantic, the Malagasy Republic, and adjacent islands in the Indian Ocean not east of 60° East Longitude. |
| 16 | U. S. Atlantic and Gulf/Australia and New Zealand. Between U. S. Atlantic and Gulf ports (Maine-Texas, inclusive) and ports in Australia, New Zealand, New Guinea, and South Sea Islands. |
| 17 | U. S. Atlantic, Gulf, and Pacific/Indonesia, Malaysia, and Singapore. Between U. S. Atlantic, Gulf, and Pacific Coast ports and ports in Indonesia, Malaysia (Malaya, Sarawak, and Sabah), Singapore, Brunei and Southern Asia. |

| Trade Route No. | Description |
|---|---|
| 18 | U. S. Atlantic and Gulf/India, Persian Gulf, and Red Sea. Between U. S. Atlantic and Gulf ports (Maine-Texas, inclusive) and ports in Southwest Asia from Suez to Burma, inclusive, Ceylon and Africa on the Red Sea and Gulf of Aden. |
| 19 | U. S. Gulf/Caribbean. Between U. S. Gulf ports (Key West-Texas inclusive) and ports in the Gulf of Mexico and Caribbean Sea (Mexico-French Guiana, inclusive) and all islands of the Caribbean and West Indies (except Puerto Rico). |
| 20 | U. S. Gulf/East Coast South America. Between U. S. Gulf ports (Key West-Texas, inclusive) and ports in Brazil, Paraguay, Uruguay, Argentina, and Falkland Island. |
| 21 | U. S. Gulf/Western Europe. Between U. S. Gulf ports (Key West-Texas, inclusive) and ports in the United Kingdom, Republic of Ireland, and Continental Europe north of Portugal. |
| 22 | U. S. Gulf/Far East. Between U. S. Gulf ports (Key West-Texas, inclusive) and ports in Japan, Taiwan, Philippines, and the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive. |
| 23 | U. S. Pacific/Caribbean. Between U. S. Pacific ports (Washington-California, inclusive) and ports in the Gulf of Mexico and Caribbean Sea (Mexico-French Guiana, inclusive) and all islands of the Caribbean and West Indies (except Puerto Rico). |
| 24 | U. S. Pacific/East Coast South America. Between U. S. Pacific ports (Washington-California, inclusive) and ports in Brazil, Paraguay, Uruguay, Argentina, and Falkland Island. |
| 25 | U. S. Pacific/West Coasts Mexico, Central and South America. Between U. S. Pacific ports (Washington-California, inclusive) and Pacific Coast ports in Mexico, Central America, Panama, Panama Canal Zone, and South America. |
| 26 | U. S. Pacific/Western Europe. Between U. S. Pacific ports (Washington, Oregon and California, inclusive), Hawaii and Alaska and ports in the United Kingdom, Republic of Ireland, and Continental Europe, Northern Spain and Scandinavia and Baltic ports. |
| 27 | U. S. Pacific/Australia and New Zealand. Between U. S. Pacific ports (Washington-California, inclusive, and Hawaii) and ports in Australia, New Zealand, New Guinea, and South Sea Islands. |

| Trade Route No. | Description |
|---|---|
| 28 | U. S. Pacific/India, Persian Gulf, and Red Sea. Between U. S. Pacific ports (Washington-California, inclusive) and ports in Southwest Asia from Suez to Burma, inclusive, and Africa on the Red Sea and Gulf of Aden. |
| 29 | U. S. Pacific/Far East. Between U. S. Pacific ports (Washington-California, inclusive, Alaska, Hawaii) and ports in Japan, Taiwan, Philippines, the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive, and other Pacific islands lying between the United States and the Continent of Asia as heretofore described. |
| 31 | U. S. Gulf/West Coast South America. Between U. S. Gulf ports (Key West-Texas, inclusive) and ports in Pacific Coast Colombia, Ecuador, Peru, and Chile. |

| Trade Area No. | Description |
|---|---|
| 1 | Great Lakes/Western Europe. Between ports on the Great Lakes and St. Lawrence River, intermediate Canadian Great Lakes ports and other Canadian ports along the general track and ports in the United Kingdom, Republic of Ireland, and Continental Europe north of Portugal. |
| 2 | Great Lakes/West, South, and East Africa. Between U. S. ports on the Great Lakes and St. Lawrence River, intermediate Canadian Great Lakes ports and other Canadian ports along the general track and ports in Africa from the southern border of Morocco to Cape Verde and other islands adjacent to the West African Coast, the Islands of Ascension and St. Helena in the South Atlantic, the Malagasy Republic, and adjacent islands in the Indian Ocean not east of 60° East Longitude. |
| 3 | Great Lakes/Caribbean, East and West Coast of South America. Between U. S. ports on the Great Lakes and St. Lawrence River, intermediate Canadian Great Lakes ports and other Canadian ports along the general track and ports in the Gulf of Mexico and Caribbean Sea (Mexico-French Guiana, inclusive), all islands of the Caribbean and West Indies (except Puerto Rico), and the East and West Coasts of South America. |

| Trade Area No. | Description |
|---|---|
| 4 | Great Lakes/Mediterranean, India, Persian Gulf and Red Sea. Between U. S. ports on the Great Lakes and St. Lawrence River, intermediate Canadian Great Lakes ports and other Canadian ports along the general track and ports in Portugal, Spain south of Portugal, Atlantic Morocco, and the Mediterranean Sea (including the Adriatic Sea, Aegean Sea, Black Sea, and other seas which are arms of the Mediterranean). Southwest Asia from Suez to Burma, inclusive, and Africa on the Red Sea and Gulf of Aden. |
| 5 | Great Lakes/Far East, Indonesia, Malaysia, Singapore, Australia, and New Zealand. Between U. S. ports on the Great Lakes and St. Lawrence River, intermediate Canadian Great Lakes ports and other Canadian ports along the general track and ports in Japan, Taiwan, Philippines, the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive, other Pacific islands lying between continental Pacific Coast United States and the Continent of Asia, Indonesia, Malaysia (Malaya, Sarawak, and Sabah), Singapore, Brunei, Australia, New Zealand, New Guinea, and South Sea Islands within the general area. |
| Round-the-World Westbound Service | From U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) to California and thence to ports in the Far East (Japan, Okinawa, Taiwan, Philippines, and the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive), Indonesia, Malaysia, Singapore, Southwest Asia (Suez to Burma, inclusive), Africa on the Red Sea and Gulf of Aden, and the Mediterranean returning to U. S. Atlantic ports. |
| Round-the-World Eastbound Service | From U. S. Atlantic ports (Maine-Atlantic Coast Florida to but not including Key West) to ports in the Mediterranean (including Atlantic approaches), Southwest Asia (Suez to Burma, inclusive), Africa on the Red Sea and Gulf of Aden, Indonesia, Malaysia, Singapore, and the Far East (Japan, Okinawa, Taiwan, Philippines, and the Continent of Asia from the Union of Soviet Socialist Republics to Thailand, inclusive) returning to California ports and thence to U. S. Atlantic ports. |

## Appendix M

## U.S. FLAG OPERATORS SERVICING UNITED STATES ESSENTIAL FOREIGN TRADE ROUTES

The following listing of U.S. foreign trade operators was effective as of the time of preparation of this report and is furnished only as a general guide. Shippers and other interested parties are reminded that changes in service patterns occur from time to time. Shippers should check with the operators or check published shipping guides for available services.

| Trade Route No. | Operator |
|---|---|
| 1 | United States Lines (S.A.) Inc. |
| 2 | Coordinated Caribbean Transport<br>United States Lines (S.A.) Inc. |
| 4 | Coordinated Caribbean Transport<br>Puerto Rico Maritime Shipping Authority<br>Sea-land Service, Inc. (non U.S.-flag vessels)<br>United States Lines (S.A.) Inc. |
| 5-7-8-9 | Sea-Land Service, Inc.<br>United States Lines, Inc.<br>Double Eagle Lines |
| 6 | Rainbow Navigation, Inc. |
| 10 | Farrell Lines Incorporated<br>Prudential Lines Incorporated<br>Sea-land Service, Inc. |
| 11 | United States Lines, Inc. |
| 12 | United States Lines, Inc. |

| Trade Route No. | Operator |
|---|---|
| 13 | Farrell Lines Incorporated<br>Lykes Bros. Steamship Co., Inc.<br>Prudential Lines, Inc.<br>Sea-Land Service, Inc.<br>Waterman Steamship Corporation |
| 14-1 (41) | Farrell Lines Incorporated |
| 14-2 (42) | None |
| 15-A (51) | United States Lines (S.A.) Inc. |
| 15-B (52) | Lykes Bros. Steamship Co., Inc. |
| 16 | None |
| 17 | American President Lines, Ltd.<br>Lykes Bros. Steamship Co., Inc.<br>Sea-Land Service, Inc.<br>Waterman Steamship Corporation |
| 18 | Waterman Steamship Corporation |
| 19 | United States Lines (S.A.) Inc.<br>Lykes Bros. Steamship Co., Inc.<br>Puerto Rico Maritime Shipping Authority<br>Sea-Land Service, Inc. |
| 20 | United States Lines (S.A.) Inc. |
| 21 | Lykes Bros. Steamship Co., Inc.<br>Sea-Land Service, Inc. |

| Trade Route No. | Operator |
|---|---|
| 22 | Lykes Bros. Steamship Co., Inc. |
| 23 | None |
| 24 | None |
| 25 | United States Lines (S.A.) Inc. |
| 26 | United States Lines (S.A.) Inc. |
| 28 | American President Lines, Ltd. |
| 29 | American President Lines, Ltd.<br>Lykes Bros. Steamship Co., Inc.<br>Sea-Land Service, Inc.<br>United States Lines, Inc. |
| 31 | Lykes Bros. Steamship Co., Inc |

| Trade Area No. | Operator |
|---|---|
| 1 | Fednav Lakes Services, Inc. |
| 2 | Farrell Lines Incorporated (No Regular Service) |
| 3 | None |
| 4 | Farrell Lines Incorporated (No Regular Service)<br>Lykes Bros. Steamship Co., Inc. |
| 5 | None |

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